

20010831.qrp v02_n298.qrl.20010831

Date: Fri, 31 Aug 2001 19:03:03 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2298

QRP-L Digest 2298

Topics covered in this issue include:

- 1) [106097] OT: Well it happened again
by Fran Flynn <fflynn@adelphia.net>
- 2) [106098] MRX 40 links?
by Mighty Mik <mightymik2@home.com>
- 3) [106099] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 4) [106100] Neophyte-Homebrew receiver
by "TC Dufresne" <tdufresne@neb.rr.com>
- 5) [106101] Re: [qrpp] MW W.A.S. chase
by Larry Cahoon <lejek@erols.com>
- 6) [106102] FS: MFJ CUB(15m)
by "T.W." <wb5qyt@abq.com>
- 7) [106103] RE: Neophyte-Homebrew receiver
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 8) [106104] Re: OT: Well it happened again
by Pete Burbank <plburbank@kih.net>
- 9) [106105] Wanted..QF-1 schematic
by "T.W." <wb5qyt@abq.com>
- 10) [106106] FS -estate of AA5GE - LONG
by Michael Goins <mgoins@usa.net>
- 11) [106107] New parts for sale
by "Brian Murrey" <brian@iquest.net>
- 12) [106108] RE: Math Theory Help
by "Phil (VA3UX)" <phil@vaxxine.com>
- 13) [106109] New Kit???
by "ukii" <ukii@megsinet.net>
- 14) [106110] Re: Wanted..QF-1 schematic
by "Robert P. Okas" <vintage@best.com>
- 15) [106111] Looking for a KnightSMiTe Kit
by "Brice D. Hornback" <bdh@cyberbound.net>
- 16) [106112] Re: Wanted..QF-1 schematic
by "Michael Melland" <w9wis@charter.net>
- 17) [106113] Re: MRX 40 links?
by "Rob Matherly" <kc0bom@arrl.net>
- 18) [106114] Re: QRP AFIELD--Coffee Prize!!!
by MertNellis@aol.com
- 19) [106115] Re: OT:Science Fair Project using Ham Radio

- by "James R. Duffey" <jamesd1@flash.net>
- 20) [106116] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
by Bill ROWLETT <kc4atu@yahoo.com>
- 21) [106117] QRP AFIELD: I'll be there... wherever that is
by "ss lyon" <sslyon@megalink.net>
- 22) [106118] FOX There out there
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [106119] Re: QRP AFIELD--Coffee Prize!!!
by ARDUJENSKI@aol.com
- 24) [106120] Complex Variables Today!! Partial DIfferential Equations Tomorrow!
by "James R. Duffey" <jamesd1@flash.net>
- 25) [106121] Don't Miss the Spartan/Michigan Combo on Monday!
by Russ Carpenter <russ@natworld.com>
- 26) [106122] huntin...
by "Len Revelle" <lenrev@ameritech.net>
- 27) [106123] Fox Idea
by "K3NG" <k3ng@fast.net>
- 28) [106124] FS: Wilderness Sierra - built, with all options
by Dave Redfearn <n4elm@home.com>
- 29) [106125] N9AW 0334Z and still looking for your fox qso
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 30) [106126] DK9SQ LOOP
by ARDUJENSKI@aol.com
- 31) [106127] Re: Bear photos
by Mike&Paula <herr@ridgecrest.ca.us>
- 32) [106128] FOX: A quick report...
by "Marshall Emm" <mgemm@mtechnologies.com>
- 33) [106129] N9AW - Preliminary Foxhunt Log
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 34) [106130] RE: Math Theory Help-- boring vocabulary
by Jeff Furman <jfurman@ocs.net>
- 35) [106131] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
by "Mike Yetsko" <myetsko@insydesw.com>
- 36) [106132] FOX:Can't Wait for the Return of 40m!
by Kenneth Hoglund <hoglund@wfu.edu>
- 37) [106133] FOX ET was weak
by "Karl F. Larsen" <k5di@zianet.com>
- 38) [106134] FOX - amazing E.T. and Jerry
by Macstein@aol.com
- 39) [106135] Try, try again: NN1G QRP transceiver stuff
by "Tom Bowman" <tbowman@nbn.net>
- 40) [106136] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [106137] FOX: Outfoxed in OK
by Tim Pettibone <k5oi@cowboy.net>
- 42) [106138] weight of Palm mini-paddles?
by Frank Brickle <brickle@pobox.com>
- 43) [106139] rig comparison

by DENNIS SMITH <ne4o@swbell.net>
44) [106140] I love the smell of 40M in the winter...
by "Paul R. Valko" <prvalko@oakland.edu>
45) [106141] Re: rig comparison
by Gary Slagel <gds slagel@yahoo.com>
46) [106142] Re: rig comparison
by Bruce Rattray <rattray@gpfn.sk.ca>
47) [106143] Re: rig comparison
by Joe Reed <joe@n9jr.dyndns.org>
48) [106144] New RS DX-398 - deaf
by David Shalita <davidr@cnmnetwork.com>
49) [106145] Re: rig comparison
by Macstein@aol.com
50) [106146] Re: rig comparison
by "Tom Dufresne" <tdufres@hotmail.com>
51) [106147] Re: New RS DX-398 - deaf
by "Tom Dufresne" <tdufres@hotmail.com>
52) [106148] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
by "George, W5YR" <w5yr@att.net>
53) [106149] JF1DHM Measuring Tape Antenna
by Jim Tittsler <7J1AJH@OnJapan.net>
54) [106150] Re: New RS DX-398 - deaf
by Mighty Mik <mightymik2@home.com>
55) [106151] Re: weight of Palm mini-paddles?
by Jim Tittsler <7j1ajh@OnJapan.net>
56) [106152] Re: weight of Palm mini-paddles?
by Frank Brickle <brickle@pobox.com>
57) [106153] OT Yahoo Jobs!
by "Karl F. Larsen" <k5di@zianet.com>
58) [106154] Re: FOX: Outfoxed in OK
by "Karl F. Larsen" <k5di@zianet.com>
59) [106155] Re: OT Yahoo Jobs!
by Dave Fouchey <dafouchey@home.com>
60) [106156] FOX: Whatta you mean "it's over?"
by John Wagner <john@wagner-usa.net>
61) [106157] Re: JF1DHM Measuring Tape Antenna
by "Bob" <ara1@trsvr.tr.unisys.com>
62) [106158] Re: Try, try again: NN1G QRP transceiver stuff
by "Tom Bowman" <tbowman@nbn.net>
63) [106159] Re: JF1DHM Measuring Tape Antenna
by Bruce Muscolino <w6toy@erols.com>
64) [106160] Re: Bear photos
by fcs@juno.com
65) [106161] K5OI wins A class New Mexico
by "Karl F. Larsen" <k5di@zianet.com>
66) [106162] Re: New RS DX-398 - deaf
by "Leon Heller" <leon_heller@hotmail.com>
67) [106163] Re: I love the smell of 40M in the winter...

- by "Dan Evans" <n9rla@yahoo.com>
- 68) [106164] [QRP Forum] New way to receive email version
by Jim Stafford <w4qo@amsat.org>
- 69) [106165] Re: New RS DX-398 - deaf
by Mighty Mik <mightymik2@home.com>
- 70) [106166] CW "goodies" FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
- 71) [106167] Re: New RS DX-398 - deaf
by "Lee S. Mairs" <lmairs@cox.rr.com>
- 72) [106168] Re: Neophyte-Homebrew receiver
by "Brad Hernlem" <alihernlem@hotmail.com>
- 73) [106169] QRP Homebrewer subscriptions expiring
by "George Heron N2APB" <n2apb@erols.com>
- 74) [106170] sd-20 fs or trade
by "John Dorson" <JDORSON@worldshare.net>
- 75) [106171] Re: rig comparison
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 76) [106172] RE: Bear photos
by "Charles Mabbott" <crmabbott@mediaone.net>
- 77) [106173] Re: Bear photos
by "G3MFJ" <g3mfj@btinternet.com>
- 78) [106174] Parts scrounging
by "John Mc Donough" <jpm1@bellatlantic.net>
- 79) [106175] Copper antenna corrosion
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 80) [106176] Fw: ARRL Handbook Specials Extended through Holiday Weekend
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 81) [106177] OT: NASA - Weather at Sun's North Pole (fwd)
by alan.kaul@att.net
- 82) [106178] VOX for the '2020 & other stuff
by nilsbull@juno.com
- 83) [106179] Re: OT Yahoo Jobs!
by <baltimoremd@baltimoremd.com>

Date: Thu, 30 Aug 2001 19:40:58 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [106097] OT: Well it happened again
Message-ID: <3B8ECF0A.B49947D2@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Someone quoted the entire day's digest back to the list. Is there something can be done to possibly limit the lenght of a post? I think this might help to solve that problem. I've seen this happen

before on this list a few times. Actually, I see how it would be quite easy to do, just hit 'reply'. I haven't done it yet, but give me time.

72 FF Km1z

Date: Thu, 30 Aug 2001 16:51:43 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106098] MRX 40 links?
Message-ID: <5.0.2.1.0.20010830164832.00a2e630@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm tinkering around with shortwave receivers, and have a MRX 40 i'd like to clone/bash for SWLing. The problem is, i have the schema *somewhere*, but when i go looking on the web, all i find are dead links? Anyone got a live one?

Date: Thu, 30 Aug 2001 20:01:54 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: dave@redhotradio.com
Cc: qrp-1@Lehigh.EDU
Subject: [106099] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <200108310001.f7V01sV28362@panix2.panix.com>

Date: Wed, 29 Aug 2001 19:18:20 -0700
From: "Dave Fifield" <dave@redhotradio.com>
Content-Type: text/plain;
charset="iso-8859-1"

Doesn't the FT-817 do 220MHz or 1.2GHz either?
What were they thinking!?

#8^)

72, Dave, AD6A

Actually, it's a conspiracy with Kenwood so we'll have to buy the F6 HT, also.

73, doug

Date: Thu, 30 Aug 2001 23:45:41 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [106100] Neophyte-Homebrew receiver
Message-ID: <002301c131a5\$7f46dd40\$0dba1c41@neb.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm building the Neophyte Receiver, originally appeared in QST in 2/88.

All is well, but I need a answer.... Is a NE602A and NE602AN essentially the same thing? Its a mixer/oscillator. Goes for about \$2.50 at OSE...

This thing looks like a lot of fun. Its a DC receiver, and would be a step up from my usual regen rcvrs I have been building. (I hope) It has two of those cool little IF transformer cans. I've been wondering when they would let me use those things. They just LOOK like "radio stuff", don't they? And, hey, I can use one of my little 2 section poly-dielectric variable cap I got a while back too.

I think I need a new junk box...

Let's see, lets add this project to my 2N-40, my 1981 DC homebrew rcvr, and my WBR QST project. Whew! No wonder why Radio Shack, Mouser, Digi-Key, and Ocean State Electronics send me a personalized Christmas card....

Melt solder...

Tom
KC0GXX

Date: Thu, 30 Aug 2001 23:42:28 +0100
From: Larry Cahoon <lejek@erols.com>
To: qrpp@yahoogroups.com, <qrpp@yahoogroups.com>
Cc: "QRP-L" <qrp-l@lehigh.edu>
Subject: [106101] Re: [qrpp] MW W.A.S. chase
Message-ID: <5.0.2.1.0.20010830232702.00a08790@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>

>The options are endless.

Jim is right the options are endless.

I'm playing around with the K1 and a 9 Volt NiMH battery - so far I think it's 37 or 38 states - all at 500 mWatts. Much more than that would be more than the battery can take.

I'm playing now at WAS at 10,000 miles per watt - still need seven states.

Now I don't do the limbo like Jim does - just not my style. I start and end each QSO at the same power level. But I've got WAS at 500 mWatts. - Of the 50 only four required the full 500 mW, one is at 250 mW and one is 200 mW. The rest are 100 mW or less. Plus if one of the CA guys I got last year in the CA QSO party had sent me a card, I'd have that one at 50 mW or so instead of the 250 mW I have now.

Don't let poor antenna's scare you - I've done it all with nothing more than dipoles - and even with those I've worked mobiles in 47 states running 500 mW or less - that includes 31 states at 50 mWatts or less.

You want the states try sweepstakes coming up in Nov. The DX contests are a great place to get AK and HI.

73 de Larry.....WD3P in MD

<http://www.qsl.net/wd3p/>

Date: Thu, 30 Aug 2001 18:09:15 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [106102] FS: MFJ CUB(15m)
Message-ID: <MABBIKAEJNPMOAJMBKJJMEELCDAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

Have a MFJ CUB for 15 meters that I built about a year ago. Hasn't seen much use and is in excellent condition. NO mods, and the only problem is that it will drift for a few minutes till warmed up. This appears to be an inherent

problem with the Cubs. I know there is a mod for this but I don't want to mess with it. I want to sell it so I can buy another kit.

Rig works FB, has scratches on one side, but front panel is perfect. I believe this rig cost 85 bux in kit form.....Will sell for 75 bux CONUS...Also includes the manual.

Thanks for the bandwidth...72, Tom WB5QYT..."Have spud will travel!"

Date: Thu, 30 Aug 2001 21:04:43 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <tdufresne@neb.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106103] RE: Neophyte-Homebrew receiver
Message-ID: <GCECIJFJPOHMCKACOA0BEEKOCMAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom -- KC0GXX:

I don't know the answer to your question regarding the NE602A vs the NE602AN (I'd guess they are interchangeable) but I built a Neophyte and it works very well. I added a 741-based audio filter and followed the filter with a LM386 audio amp (the filter cuts the audio a bit). I team the Neophyte up with my Tuna Tin for a 100% homebrew, manhattan-style, battery powered station. Lots of fun!!

My Neophyte is at: <http://sites.netscape.net/jakeycarter/neophyte>

Good Luck,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of TC Dufresne
Sent: Thursday, August 30, 2001 6:46 PM
To: Low Power Amateur Radio Discussion
Subject: Neophyte-Homebrew receiver

I'm building the Neophyte Receiver, originally appeared in QST in 2/88.

All is well, but I need a answer.... Is a NE602A and NE602AN essentially the same thing? Its a mixer/oscillator. Goes for about \$2.50 at OSE...

This thing looks like a lot of fun. Its a DC receiver, and would be a step up from my usual regen rcvrs I have been building. (I hope) It has two of those cool little IF transformer cans. I've been wondering when they would let me use those things. They just LOOK like "radio stuff", don't they? And, hey, I can use one of my little 2 section poly-dielectric variable cap I got a while back too.

I think I need a new junk box...

Let's see, lets add this project to my 2N-40, my 1981 DC homebrew rcvr, and my WBR QST project. Whew! No wonder why Radio Shack, Mouser, Digi-Key, and Ocean State Electronics send me a personalized Christmas card....

Melt solder...

Tom

KC0GXX

Date: Thu, 30 Aug 2001 21:06:23 -0400
From: Pete Burbank <plburbank@kih.net>
To: fflynn@adelphia.net,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106104] Re: OT: Well it happened again
Message-ID: <5.0.2.1.0.20010830210437.00aa89b0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:40 PM 8/30/2001 -0400, Fran Flynn wrote:

>Someone quoted the entire day's digest back to the list. Is there
>something can be done to possibly limit the lenght of a post? I
>think this might help to solve that problem. I've seen this happen
>before on this list a few times. Actually, I see how it would be
>quite easy to do, just hit ''reply''. I haven't done it yet, but
>give me time.

>

>72 FF Km1z

Don't worry about it.....stuff happens...Pete

Date: Thu, 30 Aug 2001 18:43:01 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [106105] Wanted..QF-1 schematic
Message-ID: <MABBIKAEJNPMOAJMBKJJGEEMCDAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

Picked up a Heathkit QF-1 Q Multiplier at Flagstaff. Need a copy of the manual. Will pay for all costs. Thanks, Tom WB5QYT..."Have spud will travel!"

Date: 30 Aug 2001 20:07:18 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-1@lehigh.edu
Subject: [106106] FS -estate of AA5GE - LONG
Message-ID: <20010831010718.10168.qmail@aw162.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Guys,
this stuff is from the estate of AA5Ge and I am only listing it for his s=on
Mike (a non-ham). I did power up the Kenwood rig and it receives fine. The
tube tester looks nearly new. Some of the stuff is in need of a cleaning =
(been
in storage a year). I know Mike only through an offer to help him determi=ne
what was in his dad's ham estate and cannot warrentee anything. =

Mike's email is BECA@chevron.com =

Please be fair with offers. =

1. Heathkit sb-220 sr 20728 W/ manual
2. signal generator standard type 1001 A sr 1336 powers up, freq range 5K=m- 50
megacycles =

3. transistor voltmeter phastron 555 =
4. HRO 50T receiver built in power supply. General Coverage 7-14.4MC Band spread
14-14.4MC =

speaker national. Tuner units for receiver national 20-10,
160-80,80-40,10-20 meters in original =

wooden boxes =
5. antenna beam balun, high gain BN-86 with papers 10-80 meters
6. Bencher BY2 chrome base
7. antenna bridge MFJ MFJ 204B =

8. Kenwood MC-60 8 Pin mike
9. oscilloscope heathkit 10.12 =
10. CDE rotor control box (only) powers up (looks like the Ham II)
11. monitor scope heathkit H 0-10 sr514-6771A powers up, small dent to upper
right case corner =
12. Tailtwister rotor control box (only) T2X powers up =
13. amplifier, 2 meter rfconcepts rfc2-177 =
14. Astron rs35m metered power supply =
15. Atlas 350 XL =
16. MFJ 259 original plastic film on screen- no connector cable =
17. Kenwood TS-930S sr. 8010036 works =
18. Kenwood SP40 speaker, high pass low pass filters
19. Icom Transceiver icom IC-211 sr 05043 2 meter all mode =
20. Antenna tuner, MFJ 986 Dual differential T =
21. multimode data cont. MFJ 1278 RS232C 2meter Data controller new =
22. electronic keyer MFJ406 =
23. tube tester Knight A600A in box, powers up has manuals sr 83y63630100=
7 =

24. vacuum tube meter heathkit VTVM IM-13 powers up =
25. Antenna switch MFJ 1701 6 positions =
26. transistor analyzer Layayette 223 =
27. amplifier 2 meter ramsey Pa10? =
28. noise bridge palomar eng. R-X =
29. Antenna switch MFJ 1702 (2 position)
30. X1 filter heathkit N-404-200 in box, unused (presumably for some Heathkit rig)
31. Triplett T321HR round meter, 0-150 MV in box =
32. Simpson 1227 meter, 0-1 square, in box 0-1.0 Ma =
33. Simpson 1227 meter 0-500 square, in box 0-500 Ma =
34. amp meter minipa mv46 0-15 volts =
35. power meter sigma RF-2000 range 3.5-150Mhz =
36. Vibroplex deluxe-blue racer bug, chrome base W/ some metal flaking =
37. transistor checker micronta 22-025 =
38. resistance box decade 1/2 watt max =
39. Shure 444D mike
40. code key unknown red metal base =

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Thu, 30 Aug 2001 20:13:00 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [106107] New parts for sale
Message-ID: <006601c131ba\$14524aa0\$99532bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I have scrounged up a big quantity of .1 uF Polyester/Metal Film caps. These, according to the databook, are equal to ceramic disk caps in all uses. These are NOT NPO caps. Made by S+M Components.

How about 50 for \$3 or 100 for \$5.00 500 for \$20.00 (they're abt 15 cents each from Mouser) I ship in a 4 by 7 padded envelope.

These are .1 uF, 10%, rated at 250v - New Stock, on paper tape, nice long leads. Good for bypass caps I am told. That's what I have used them for.

I still have NEW BNC chassis connectors for

25 for \$12.40
50 for \$21.00
100 for \$36.00

I also have:

LM7808CT voltage regulators. T0220 case. 5 for \$4.50
LM7812T voltage regulators. T0220 case. 5 for \$4.50

22uF 35v electrolytics - \$6.00 for 100 (if you need larger or smaller qty, email me)

These caps are on paper tape, NOS (New, but old stock) made by Richey.

2N2222's in METAL T018 case - 25 for \$7.50

Let me know if you're interested. All prices are post paid to the USA.

Thanks - My address on QRZ is good.

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=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
  39.558 N   86.095 W   Johnson Co., Indiana
  GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
  Member of the American Radio Relay League - SOC #400
  FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
```

Date: Thu, 30 Aug 2001 21:16:13 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: qrp-l@Lehigh.EDU
Subject: [106108] RE: Math Theory Help

Message-ID: <5.0.2.1.0.20010830211254.009fc730@vaxxine.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:36 PM 8/29/2001 -0600, you wrote:

>I object - I've read the books, played with the numbers and always had
>questions my wife couldn't answer. I think the cat could but he isn't
>talking.

>

>Most of us on this list probably have some background in math and those
>like me get to use very little of it in their every day life (sometimes I
>get to get into complex interest calculations but having no money they
>don't mean much to me).

>

>So far I've relearned quite a bit and need to digest it and ask questions.
>This is just the place to ask them.

>

>Also, some teachers are better than others. Heck, I had 3 years of Organic
>Chemistry under my belt and thought I understood what I was doing. Got a
>new roommate who was working on his masters in chemistry and he could
>explain things I never knew I didn't understand. I've seen the same thing
>on this list.

You could fall into the Organic Chemistry syndrome with this subject on
this list. Be careful !

Phil

>Anyway, different people learn different ways - I'm doing just fine here
>so lets don't slow down.

>

>de KI00T, Brad

>

> On Wed, 29 Aug 2001, Phil (VA3UX) wrote:

>

> > At 08:12 PM 8/29/2001 -0500, you wrote:

> > >Wow, great question. I was just thinking the other day about whether an
> > >article on the subject would find any audience. It does seem that complex
> > >math (that's its name, not a judgement of its difficulty)

> >

> >

> > Good efforts from all the people replying on this subject but it definitely
> > IS a little tough to learn (and teach it) via e-mail.

> >

> > Complex numbers and polar coodinates are well covered in Bill Orr's Radio
> > Handbooks, and it used to be covered (probably still is) in the ARRL

> > Handbook. If you don't have any of those, the subject is covered very well
> > in Schaum's Outlines which are available from many book stores. It isn't
> > hard to learn but having a book with some worked examples and a few
> > exercises is really the way to go.

> >

> > Phil

> >

> >

> >

> >

>

>--

>Brad Mugleston, KI00T

>Aurora, Arapahoe Cty, Colorado

>DM79oq 39.692500N 104.802600W

>CQC #170, QRP-L #316, NorCal #2934

Date: Thu, 30 Aug 2001 20:25:25 -0500

From: "ukii" <ukii@megsinet.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [106109] New Kit???

Message-ID: <004001c131bb\$d1aff6a0\$ce2bfea9@core.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Howdy Folks...

Been real busy last few years but I have kinda kept
skimming the list. Anyway,since the Norcal Paddle kit and the 38 Special
went so well,I was wondering if
NorCal had come out with another radio kit?

Please lemme know so I can heat up my
wife and put the soldering iron away.

Thanks Much

john

n9ukx

(zombie night this year?)

Date: Thu, 30 Aug 2001 18:29:16 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "T.W." <wb5qyt@abq.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106110] Re: Wanted..QF-1 schematic
Message-ID: <Pine.BSF.4.21.0108301823560.24051-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tom & Gang,

There are a number of Heathkit manuals available at the BAMA site:

<http://bama.sbc.edu>

The QF-1 manual is there. N.B. Although most pages of the pages are in gif format, viewing them on a web browser is not too efficient. You need to download one of the free viewers offered at the web site.

Hope this helps,
Bob - W3CD

On Thu, 30 Aug 2001, T.W. wrote:

> Gang,
>
> Picked up a Heathkit QF-1 Q Multiplier at Flagstaff. Need a copy of the
> manual. Will pay for all costs. Thanks, Tom WB5QYT..."Have spud will
> travel!"
>
>

Date: Thu, 30 Aug 2001 20:28:43 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106111] Looking for a KnightSMiTe Kit
Message-ID: <021c01c131bc\$45dfebc0\$6f01a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi. Does anyone still have a spare unbuilt KnightSMiTe kit they would part with?

72 de Brice KA8MAV

Date: Thu, 30 Aug 2001 20:31:48 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106112] Re: Wanted..QF-1 schematic
Message-ID: <002501c131bc\$b3e92be0\$b0e4b7d8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Schematic and partial manual available here free:

<http://bama.sbc.edu/heath.htm>

72 de Mike, W9WIS

Date: Thu, 30 Aug 2001 20:48:38 -0500
From: "Rob Matherly" <kc0bom@arrl.net>
To: <mightymik2@home.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106113] Re: MRX 40 links?
Message-ID: <000701c131bf\$11c32200\$4511a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's a link to the ARRL tis/qrp page. Near the top there will be a link to a .pdf file of a QST article featuring the MRX-40.

<http://www2.arrl.org/tis/info/qrpproj.html>

72/73 es GL!
Rob, kc0bom

----- Original Message -----
From: Mighty Mik <mightymik2@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, August 30, 2001 6:51 PM
Subject: MRX 40 links?

I'm tinkering around with shortwave receivers, and have a MRX 40 i'd like to clone/bash for SWLing. The problem is, i have the schema *somewhere*, but when i go looking on the web, all i find are dead links? Anyone got a live one?

Date: Thu, 30 Aug 2001 21:52:50 EDT
From: MertNellis@aol.com
To: qrp-1@lehigh.edu
Subject: [106114] Re: QRP AFIELD--Coffee Prize!!!
Message-ID: <128.3eb7b21.28c047f2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Wow! This sounds like good grounds for me to make a contact.
Mert W0UFO MNQRP

Date: Thu, 30 Aug 2001 19:59:40 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [106115] Re: OT:Science Fair Project using Ham Radio
Message-ID: <B7B44BAB.D2C1%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Michael - The type of project depends on how old your daughter is. A project suited for a high school Junior is obviously unsuited for an elementary or middle school student.

There are lots of good opportunities for projects involving Ham Radio. These can be expanded or contracted depending on the age of your daughter.

The Doppler effect can be investigated by using the ham radio satellites. If you have a computer with a spectrum analyzer you can get good frequency shift vs time (which you can convert to relative velocity) plots. There are usable beacons on 29 MHz, 144 MHz, and 432MHz that one could use. Also, you might measure a car going by with its horn blaring to compare. If you don't

have a 144 or 432 receiver you could build a simple converter to HF with a 602 and a simple crystal/multiplier.

Build an oscillator and use it to measure crystal properties. Build filters out of these crystals and see how the in band properties vary.

Use the same oscillator to measure the inductance of torroids. Have your daughter wind 10 or so torroids and see how they vary. Have her friends wind torroids and see how the spread in properties is with different builders.

Use the NCDXF beacon network and WWV/WWVH to compare predicted MUFs with actuals. Your daughter could build antennas to cover these frequencies.

Buy a bunch of 1% resistors of the same value and see if they really are within 1%. Your daughter could build a simple Ohm meter or bridge to do the measuring.

Get a Variac, a 120 V to 220 V transformer and a light socket. Then plot the lifetimes of lightbulbs as a function of Voltage. Keep one hand in your pocket, and wear sunglasses.

These are just some suggestions. You get the idea. Build something and use it to measure something interesting.

I did Science Fair projects in Junior and Senior High School. I am now a professional scientist, believe it or not!! (my boss doesn't) If you want to see me and my 1967 project, "A Phased Vertical Array for the Amateur Radio Bands", click on the following URL:

<http://www.qsl.net/kk6mc/3-1967drmegacycle.jpg>

Remember, this was when MHz was MCps. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 30 Aug 2001 19:14:12 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>

To: faunt@panix.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106116] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <20010831021412.9647.qmail@web14201.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

You all must remember that the 817 was made for the "home" market and not the world market. Only after the stink raised by the world wide QRP community did they take the radio world wide. Almost every radio which comes here, has a 10 watt version which is only for the home market.

So be glad that you have the radio, some changes would be nice. Also would like to see the others come out with one too.

For the time being, will just keep on using the TT ARGO 556 and wait for the new one from TT.

73, and look out the window for the weather.

Bill KC4ATU

Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Thu, 30 Aug 2001 22:17:21 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <ARDUJENSKI@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106117] QRP AFIELD: I'll be there... wherever that is
Message-ID: <009201c131c3\$11467b20\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

and looking forward to kicking back in the Maine woods, immersed in the wonderful aroma of conifers... deeply immersed in fact since my last site was discovered and thoroughly trashed by some excreta lid atv jocks. If all goes well I'll be on with a DSW-20 and SW-40 >Z-Match hosed up to an Eighty

Eight up about 75'. Be there or be square

72 / 73,
"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj . aa1my@arrl.net

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

----- Original Message -----

From: <ARDUJENSKI@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 30, 2001 10:15 AM

Subject: QRP AFIELD?

> How many in the group are planning (thinking about) the QRP AFIELD coming up?

>

> QRP Afield (CW/SSB/Digital) *** QRP Contest ***

>

> Sep 15 - 1700z to Sep 16 - 1700z (Any 8 hours)

>

> Rules: <http://www.qsl.net/wq1rp>

>

> I sort of look at these as operating events not contests--for me the
> competition takes the fun out of it. I will be looking at working as many
> states and provinces rather than numbers. Yup--going for quality not
quantity

>

> I will be running QRP+ and my ladder farm. The 28ft extension ladder with
> rotatable dipole (home brew) and inverted vee and 34.5 ft vertical. Hope
to

> hear from you

>

> Alan KB7MBI in Woodinville, WA

Date: Thu, 30 Aug 2001 20:23:38 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-1@lehigh.edu>

Subject: [106118] FOX There out there

Message-ID: <Pine.LNX.4.33.0108302019160.3810-100000@localhost.localdomain>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

At 0200 I tuned to 14.061 and thought I could hear ET part of the time but just ESP quality. He is too close for 20 meters and may have his beam east.

At 0212 I tuned down to Jerry's neck of the woods and he was 589 with MY beam North! So just for fun called him and he heard me.

So now I'll watch the Cowboy Football Game and during commercials I will listen for ET.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 30 Aug 2001 22:23:30 EDT
From: ARDUJENSKI@aol.com
To: MertNellis@aol.com, qrp-1@lehigh.edu
Subject: [106119] Re: QRP AFIELD--Coffee Prize!!!
Message-ID: <c5.159b4a5f.28c04f22@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This may not be everyone's cup of tea but probably pretty close to qualifying as HOMEBREW. It is a good way to start out the day before getting back to the old grind. I am sure that in falls into the category of nutts and jolts.

As noted I will have an arsenal of antlers at my disposal. I have heard rumblings about home town beers, etc being touted as prizes too by east coasters. Looks like I will need extra batteries for this event!

Alan KB7MBI in Woodinville, WA

Date: Thu, 30 Aug 2001 20:44:58 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [106120] Complex Variables Today!! Partial DIfferential Equations Tomorrow!
Message-ID: <B7B4564A.D2C5%jamesd1@flash.net>

Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I am enthused to see the discussions on complex numbers here. We often see the phrase "... but the discussion is too complicated for the average QRP-L reader" here. Well, I think that this thread says it ain't so! There are a lot of people on QRP-L who know the math and physics for advanced discussions. Lets see more of these discussions with less fudging on the math and physics.

By the way, cheer for the US to beat Honduras in the CONCACAF Hexagonal quailfier. Saturday at 1400 Z ESPN 2. No, I don't know why it is on that early. Lets hope for the US to find 2 good forwards. - Dr. Megacycle
KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 30 Aug 2001 19:46:43 -0700
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [106121] Don't Miss the Spartan/Michigan Combo on Monday!
Message-ID: <B7B448A2.90C0%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The September Spartan Sprint will be held on September 3, 2001 (which is our standard date--the first Monday of the month). You may operate on any one or more of five bands--80, 40, 20, 15, and 10 meters. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

The September Sprint is coordinated with the Michigan QRP Club Labor Day Sprint. The Spartan Sprint overlaps with the last two hours of the Michigan event. Both contests include the operator's power level in the exchange. Therefore, you may log each contact in both contests. If a station gives you his Michigan membership number instead of a power level, just log the membership number. Easy!

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT. Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT. In terms of UTC, start at 0100 and finish at 0300, Tuesday.
2. The frequencies will be 3560+- kHz, 7040 kHz+-, 14060 kHz+-, 21060 kHz+-, and 28060 kHz+-. (You may operate any number of bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP," or "CQ QRP TEST."
5. You can take credit for working the same station on a second, third, or fourth band.

After the contest, we invite you to use our autolog, which is part of the ARS Sojourner. Just go to www.natworld.com/ars and follow the link for "Direct access to autologs". Or you can speed things up by going directly to the Spartan Sprint autolog page at www.natworld.com/ars/ss_log.html.

"Station Weight" is defined as the combined weight of all transmitters, receivers, keys, keyers and batteries used during the Sprint. We use decimal pounds, rather than pounds and ounces. You may report your weight to the nearest 10th of a pound, or, at your option, the nearest 100th of a pound. For stations weighing less than one pound, we recommend the nearest 100th of a pound.

If you don't have access to the web, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station. You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

We publish results for each Spartan Sprint on the Thursday following the Sprint. This may be the world's quickest contest reporting! Please send us your log as soon as possible, but in no event later than Wednesday afternoon.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a

magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Thu, 30 Aug 2001 22:00:47 -0500
From: "Len Revelle" <lenrev@ameritech.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [106122] huntin...
Message-ID: <JDEJKNHICDBPHBFOCEJMOEAECHAA.lenrev@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, better late than never.

Got ET with no sweat, very good signal here north of Chicago. Jerry answered me and I got his exchange but, at near ESP, I couldn't hear his QSL. Sorry I got on-board too late in the Summer to hunt.

Len Revelle N9IJ
AMA 60055 LSF 7492
QRP-ARCI#10923 QRP-L#2353
ARS#1099 Live Wire#529
lenrev@ameritech.net

Date: Thu, 30 Aug 2001 23:17:44 -0400
From: "K3NG" <k3ng@fast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106123] Fox Idea
Message-ID: <002b01c131cb\$81adaed0\$ad05e518@corp.fast.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings

I'm not sure if this has been thought of before, but how about another hound scoring based on transmitter power ? The lower the power, the higher the score you get for the fox. The fox would remain at the normal 5 watts.

I find that I can get a pelt fairly quickly if I'm at 5 W. 3W or less seems to be more of a challenge. Operators would have to take a gamble with a lower power as the possibility of not making the contact would be higher. Towards the end of a fox run, operators would most likely increase their power to 5W to insure a pelt, but would sacrifice points.

I know this would mean extra work for the scorer, but perhaps if the format each fox posts can be standardized 100 %, someone could write a program to process it all and spit out the scores quickly.

I was thinking of this as a formula:

$10 + 10 \log (5 / \text{your power in watts})$

or 10 plus how many dB below 5 watts your transmit power was. For example, if you worked the fox with 1 watt, your signal is 6.9 dB below 5 watts, so your score for the pelt would be 16.9. We could round up to simplify if desired.

Any thoughts on this ?

Thanks to all the foxii for a great season !

17 out of 20 :) yea !

72
Goody
K3NG

Date: Thu, 30 Aug 2001 22:30:17 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106124] FS: Wilderness Sierra - built, with all options

Message-ID: <3B8F04C9.8D9D376@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Wilderness Sierra HF transceiver
0 - 150 KHz VFO, RIT, ABX,
full break-in CW, approx 1-2 watts output

includes:

KC2 LCD display/keyer
BuzzNot Noise Blanker

All Band modules:
160,80,40,30,20,17,15,12,&10 Meters.

In very good condition, no scratches or dings.
Everything works well.
Comes with manual and DC cable.

Asking \$450.00 OBO + shipping from TX

Pictures available on request.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Fri, 31 Aug 2001 03:35:55 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106125] N9AW 0334Z and still looking for your fox qso
Message-ID: <005401c131f7\$f479f140\$3880cfa9@j0k9j2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Its 0334z and I am still looking for fox QSOs on 14056. My beam is north.
Close in states to WI try aiming north.

72

Jerry N9AW

P.S. Very light since 0245z

Date: Fri, 31 Aug 2001 00:45:21 EDT
From: ARDUJENSKI@aol.com
To: nwq-1@scn.org, qrp-1@lehigh.edu
Subject: [106126] DK9SQ LOOP
Message-ID: <98.1a250c2b.28c07061@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have not herd very much lately about the DK9SQ loop antenna. Have those using it found its directivity usefull and effective? Has anyone run an EZNEC analysis and looked at lobe patterns, gain, etc?

Alan KB7MBI in Woodinville, WA

Date: Thu, 30 Aug 2001 21:45:17 -0700
From: Mike&Paula <herr@ridgecrest.ca.us>
To: qrp-1@Lehigh.EDU
Subject: [106127] Re: Bear photos
Message-ID: <200108310445.f7V4jHS17682@castor.ridgenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It's only a wilderness if there is something that can kill you AND eat you

73

Mike WA6ARA

>

>Interesting bit of Bear Trivia, while Grizzly's have the reputation of
>being more dangerous than Black Bears, they don't feed on humans, they kill
>in defense of their territory. black bears while NORMALLY less aggressive
>are know to prey on humans occasionally NOTE: that is Occasionally. They
>will actually stalk and kill humans for food but it is not the norm. So
>next time you think about that "cute" Black Bear just remember he may be
>looking at you with dinner in mind.

>

>Happy Hiking!

>
>72
>Dave WA4EMR/8
>
>

Date: Thu, 30 Aug 2001 23:34:51 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [106128] FOX: A quick report...
Message-ID: <3B8ECD9B.23375.1389F2@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

And another Fox Hunt goes into the history books...

What a night! No records set except maybe for nearly falling asleep at the switch, but good fun. Propagation was generally excellent, low noise level, signals easily copied from all four corners of the US (and a big signal from AL7FS). One DX station worked and several others heard.

Log will have to be transcribed, will do it as soon as I can.

Quck count is 90-- many thanks to all of you and to all a good night!

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Fri, 31 Aug 2001 08:50:55 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106129] N9AW - Preliminary Foxhunt Log

Message-ID: <002a01c13223\$f5abb680\$4b80cfa9@j0k9j2>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Thanks all for the great QSOs in both of my hunts this summer season.
 Propagation to stateside from here in Wisconsin is a real challenge
 sometimes, especially this time of night on 20 mtrs.

Here's the preliminary log for hunt # 20, the last hunt for the summer.

Total QSOs this hunt = 74 (73 on air.....seems fitting doesn't it?)

Hour 1 - 58 qsos

Hour 2 - 15 qsos

All reports sent were 559 WI JERRY 5W

TIME	CALL	RST Rcvd	STATE	N AME	POWER	
0200	N1FN	559	CO		ET	5
0200	N1TP	559	FL		TOM	5
0201	NQ7X	559	AZ		FLOYD	5
0201	N1EU	559	NY		BARRY	5
0202	W5YR	559	TX		GEORGE	5
0202	K4MF	559	FL		GARY	5
0203	W6ABC	579	CA		JACK	5
0204	N5TW	559	TX		TOM	5
0205	K5EOA	559	LA		WAYNE	5
0206	VE5RC	559	SK		BRUCE	5
0207	NK0E	559	CO		DAVE	5
0208	WE9K	559	WI		GLENN	5
0208	K5JHP	559	TX		BILL	5
0209	KB7WW	559	OR		ART	5
0209	N0DSP	599	CO		TOM	5
0210	K5YU	559	TX		HARV	5
0210	VE6JAZ	569	AB		ROB	5
0211	K5DI	589	NM		KARL	5
0211	K4BYF	559	FL		JACK	5
0212	VE6EX	559	AB		DAN	5
0213	AA5O	559	LA		VERN	5
0214	WK6I	559	CA		JEFF	5
0214	K5DW	559	TX		DON	5
0215	W9UQB/7	559	AZ		MIKE	5
0216	W9XT	559	WI		GARY	5
0217	AD6JV	559	CA		BILL	5
0218	WA7SPY	559	CA		GLENN	5
0218	K5LN	559	TX		BILL	5
0219	KC1FB	559	CT		JIM	3

0219	KE6RS	559	CA	RON	5	
0220	W9XU	559	WI	LON	5	
0221	AC5JH	559	OK	TOM	5	
0221	AF4PS	589	FL	MAC	3	
0222	W5USJ	579	TX	CHUCK	5	
0222	VA6RF	559	AB	EARL	5	
0223	K1KID	559	MA	CARL	4	
0224	N5IB	559	LA	JIM		5
0225	VE6KG	579	AB	NORM	5	
0226	N4SO	559	AL	KEN	5	
0227	NK6A	579	CA	DON	5	
0227	K1VP	559	NH	ED		5
0227	K5BGB	579	TX	ROD	5	
0228	N6WG	559	CA	BOB	5	
0229	N10DL	559	NH	ARON	5	
0230	WB0CD	559	CO	DICK	5	
0231	K7FD	559	OR	JOHN	5	
0231	K3NG	559	PA	TONY	5	
0232	W4NJK	559	CA	CHARLIE	5	
0234	AA7TUA	559	OR	FRANK	5	
0238	NN5E	559	TX	VERN	1	
0238	KG4FSN	559	AZ	JUAN	4	
0245	N9NE	559	WI	TODD	5	
0247	KD5KXF	559	TX	MIKE	5	
0248	N9IJ	559	IL	LEN		5
0250	AJ9U	559	WI	BOB		5
0254	AL7FS	559	AK	JIM		5
0255	N2ZHY	339	NJ	DAVE	5	
0257	K9ORN	559	WI	BRIAN	5	
0303	W8RU	559	MI	RON	5	
0304	KI0II	589	CO	RON		1
0306	UA0KCL/3	559	UA	YURI	5	
0308	NM5M	579	TX	ERIC	5	
0310	N0UR	559	MN	JIM	5	
0316	K0FRP	579	CO	AL		5
0319	AD6JY	559	CA	DAN	5	
0328	N7GS	559	MT	MAL	5	
0329	NV4V	559	KY	PETE	5	
0338	KK7GG	559	OR	MIKE	5	
0338	N6XG	559	CA	WALT	2	
0340	AD4J	559	GA	JIM		5
0344	AA7EQ	559	AZ	BOB	5	
0347	K4TJD	559	GA	TOM	5	
0349	AF4LQ	559	KY	MIKE	5	
0400	N9AW	559	WI	JERRY	5	

Jerry N9AW

Date: Fri, 31 Aug 2001 02:49:12 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: qrp-1@lehigh.edu
Subject: [106130] RE: Math Theory Help-- boring vocabulary
Message-ID: <Pine.LNX.4.21.0108310006570.10222-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The mention of 'impedance' suggests the alternate terms for this stuff:

impedance often written with the symbol 'z' has the units of ohms.
3 + j7 ohms, for example. the real part, 3, is called resistance; the
imaginary part, j7, is called reactance (positive<->inductive or
negative<->capacitive, but not
imaginary)-- 7 ohms reactance. a typical symbolic expression might be
z = r + jx. r is resistance, x is reactance.
note that r and x are considered to be in series.

admittance is the reciprocal of the corresponding reactance, often written
with the symbol 'y' with units of Siemens these days; years ago these
units were mhos. so, $y = 1/z = 1/(r + jx) =$
 $(r/(r^2 + x^2)) - j(x/(r^2 + x^2)) = g + jb$. now g is called conductance
and b is called susceptance. so, $1/(3 + j7) = 3/58 - j7/58$ Siemens.
here, g and b are considered to be in parallel.
negative b is inductive susceptance, etc.
the conversion from a given admittance to the equivalent impedance is:
 $z = 1/y = 1/(g + jb) =$
 $(g/(g^2 + b^2)) - j(b/(g^2 + b^2)) = r + jx$. starting with 5 + j2 Siemens,
the series equivalent is 5/29 - j2/29 ohms.
you find admittance parameters used in transistor data sheets in the
frequency range below uhf, above which s-parameters are common.

A guy named Guillemin coined the term 'immittance' for cases where either
impedance or admittance apply in a theoretical discussion; I don't
remember whether there are units for immittance or names for the real and
imaginary parts. this term sometimes shows up in network analyzer
manuals, for example.

for individual lumped elements:

a capacitor of value c farads, has $-1/(2\pi f c)$ ohms reactance
or $2\pi f c$ Siemens susceptance. (f is in Hz.)

an inductor of L henries inductance has $2\pi fL$ ohms reactance or $-1/(2\pi fL)$ Siemens susceptance.

a resistor of r ohms resistance has $1/r$ Siemens conductance.

a resistor of g Siemens conductance has $1/g$ ohms resistance.

a resistor on its own does not change with frequency, however, when resistors and reactive elements are combined in networks, the real part of impedances or admittances of the aggregate may now be a function of frequency. just consider the simplest possible case-- a resistor in series with a capacitor. $z = r - j/(2\pi f c)$
here, the real part remains r (constant), while the imaginary part or the reactive

part varies inversely as the frequency. If this impedance is plotted as frequency is varied on a two dimensional graph representing real part or resistance on one axis and imaginary part or reactance on the perpendicular axis, the graph or impedance locus is a straight line, parallel to the reactance axis, going from the value r of the real axis, and extending in the negative imaginary direction to infinity.

an interesting thing happens when the parallel equivalent admittance is plotted-- $y = 1/(r - j/(2\pi f c)) =$

$$r/(r^2 + (1/((2\pi f c)^2))) + j/((2\pi f c)(r^2 + (1/((2\pi f c)^2))))$$

believe it or not, this plots as a semicircle starting at the origin with a diameter equal to $1/r$, ending on the real axis, and on the positive imaginary side of the real axis.

since the points around this semicircle represent different frequencies, it's hard to say that the equivalent admittance network has a constant conductance, even though the resistance itself doesn't change with frequency.

Try plotting the combined impedance of a resistor and capacitor connected in parallel, when the frequency varies.

this is the beginning of understanding matching (antenna tuning) networks, where reactive elements are used to transform the resistive part of the load, as well as the reactive part.

As an aside, a Smith chart may be used to invert complex numbers (admittance $\leftrightarrow$ impedance). Examine the chart, notice reactance scales are positive and negative, but the resistance scale is only positive (inside the outer circle.) The proper chart for this has normalized coordinates, with the center labelled 1 ohm. plot the complex number to be inverted. draw a straight line from that point through the center of the

chart. on this line, at the same distance from the center as the original point, but on the opposite side of the center, is the point with the complex reciprocal of the original. with practice, you can use dividers and a straightedge without even marking the chart.

I can tell from the spitwads and pencils in the ceiling, this is more than enough.

73, Jeff AD6MX

--

Date: Fri, 31 Aug 2001 08:15:42 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc4atu@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106131] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <006201c13216\$f0c07aa0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It doesn't really matter what it was 'designed for'. It's 'marketed' here.

I think it speaks volumes for the design though that it is as popular as it is, even with the MAJOR deficiency that 'I' perceive to it's functionality.

And so do a number of others. I've gotten a NUMBER of emails that have said they liked the radio, but DIDN'T buy it because of the lack of WX. In my case, that really was the deciding factor. I still like the radio, and IF I didn't already have a K2, well... The VHF SSB is awful tempting. But replace the K2? No way. As a second? Give me that weather band and if I have the budget there will be one in my hands.

Remember, I'm NOT looking for a 'hot performer' to replace my K2. I don't think the 817 has a chance at that. But I WOULD like a 'hiker' radio, and there I think the 817 is a perfect match.

Mike

----- Original Message -----

From: Bill ROWLETT <kc4atu@yahoo.com>

> You all must remember that the 817 was made for the
> "home" market and not the world market. Only after the
> stink raised by the world wide QRP community did they
> take the radio world wide. Almost every radio which
> comes here, has a 10 watt version which is only for
> the home market.

>

> So be glad that you have the radio, some changes would
> be nice. Also would like to see the others come out
> with one too.

>

> For the time being, will just keep on using the TT
> ARG0 556 and wait for the new one from TT.

>

> 73, and look out the window for the weather.

>

> Bill KC4ATU

Date: Fri, 31 Aug 2001 08:21:41 -0400

From: Kenneth Hoglund <hoglund@wfu.edu>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [106132] FOX:Can't Wait for the Return of 40m!

Message-ID: <3B8F8155.8405F094@wfu.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well, scratch another effort at pelts! Got on just after 3:00 utc and could barely hear Jerry N9AW. Waited for an opening and took a shot, but if he did reply it faded quickly. Stuck around for a bit but never heard him come back to even esp levels.

Moved up frequency and heard Marshall N1FN pretty strongly, but with strong ebbing and flowing. Ok, I told myself, you wait for an opening when the signal is flowing in and take the shot---listen, listen....Now! Marshall sends back "?" and then the tide goes out. No qso. Listen some more, try again, and again, and a few more times until I decided 20m is just to qsb'y for the night to make the effort worth it.

Skunked last week by thunderstorms that moved in just when the hunt was underway, and now qsb taking my signals away! Just wait till I get up with you foxii on 40m---fur will fly!

73 and thanks to all the foxii--

Ken KG4FGC

Date: Fri, 31 Aug 2001 06:50:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [106133] FOX ET was weak
Message-ID: <Pine.LNX.4.33.0108310640230.1150-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since N1FN lives in Colorado he is too close to New Mexico for 20 meters in the evening. Sure enough he was so weak I could not copy him with the dsp filter cranked in and the 6 element beam looking North.

Listened for 5 minutes and found for sure where he was, but could not copy him. So went down to Jerry's frequency and he was loud with the beam North! Called him and worked him. Gave him a real 589 report.

In about an hour ET started to QSB up to a good 329 report. I could read his callsign and so I started calling. He heard me and then QSB knocked him down. Then I heard k5di? so I sent k5di qsl ect. stuff and he came back state? and I did NM NM bk and got a TU.

Thanks Marshal!

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 31 Aug 2001 09:03:59 EDT
From: Macstein@aol.com
To: qrp-l@lehigh.edu

Subject: [106134] FOX - amazing E.T. and Jerry
Message-ID: <153.33534f.28c0e53f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Marshall's sig was weaker last night than I've heard before. Of course, my new "antenna" contributed heavily to that as much at the band condx. But... I was able to get Marshall with about 5 shots at him... then later... Marshall was "working" DX stations explaining the fox hunt, and calling CQ over and over at different speeds. (DId Yuri the UA station ever get your name?) I switched in the attenuator and called him at about a half watt. He sent back my call and "/" (I had sent AF4PS/QRPP). I was not amazed at all. After all, it was E.T.! LOL

By the way, Jerry was LOUD for the first hour, and he was a one shot pelt. I heard Jerry ALSO working DX stations and explaining the hunt. 20m is S0000 interesting for the Fox hunts! The second hour both sigs dropped dramatically. I like the summer hunts... I know I may not get 'em all, or even get to PARTICIPATE in them all, but I still enjoy it. Thanks gang.

-MAC-
AF4PS
Odessa, FL

Date: Fri, 31 Aug 2001 09:17:54 -0400
From: "Tom Bowman" <tbowman@nbn.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [106135] Try, try again: NN1G QRP transceiver stuff
Message-ID: <012901c1321f\$584e8380\$a3a87f3f@tombowma>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Let's try this again.

I put up a web page with information from the QRP-L archives on the complete NN1G line of QRP transceivers.

There is a ton of information in the archives dealing with the NN1G (now K1SWL)
QRP rigs including reviews, mods, rants and raves now on my web site.

I hope you find it helpful.

Until I get things squared away with another Web address, please come into the web site by trying this:

<http://users.nbn.net/~tbowman>

Please let me know if you have ideas for the page. Like I said, there is a wealth of information in the CD-ROM archives - courtesy of Chuck Adams.

73,
Tom, WA3REY

Date: Fri, 31 Aug 2001 09:15:46 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Nv4t@aol.com>, <qrp-1@lehigh.edu>
Subject: [106136] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <008d01c1321f\$10ac8040\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey, I want an 817! I covet it greatly! I think it's a great little rig. But the bottom line is, without the WX band, I don't want it enough to pull out the plastic.

Period.

And I'm not the only person to think so. I've had at least 5 other people tell me that once they learned of the lack of WX they decided against the 817. Would they all have bought if it had it? Who really knows...

But, I can tell you that a couple of months back, when I DID have some 'extra cash', I DEFINITELY would have bought one.

Also, another 'but'. I'm not looking at the 817 as a primary QRP rig for camping. I'm not looking at the 817 as a primary QRP rig for home. I have a K2 that the 817 just won't hold a candle to for what the K2 does. However, the things the 817 does that the K2 doesn't is why I want the 817 as a 'hiker' radio. As a second radio.

Even as nice as the 817 is as a 'second' radio, it has that WX issue. Yes, I really like the VHF SSB! But that's extra icing on the cake and not core to what I want. As a 'hiker' radio, which is where I perceive the 817 as an incredible fit, I see the lack of WX band as a serious hole.

Right now my budget is tightening up. I had \$688 dollars of unexpected expenses on my kitten. I've spent \$1338 dollars on a new door for my dining room that I expected to spend about \$900 on. My pool needs a new cover for \$140, and my daughter just hit me up for a new bed. And my daughter got me to promise a shopping trip to the city for school clothes, which ended up being a train ride into NYC instead of driving into Boston. (Ouch!) Even still, with the budget hits the way they all got me this month, when HRO put the 817 on special last weekend for \$617 I would have pulled the plastic, IF it had the weather band. (Yes, I did think about it, and almost did it anyway... But that WX band....)

On the other hand... There are rumors, that I have yet to confirm, that a group in the UK has managed to hack the firmware in the 817 and extend it's VHF coverage. Unfortunately, I haven't been able confirm or deny that... If I could get my hands on a new firmware set for the thing...

Mike

----- Original Message -----
From: <Nv4t@aol.com>

> No WX Band??? Get a life!! The FT-817 is still a great little rig.
So it's
> not the Vaunted "K2"--- but it has 6,2, and 440 mhz. as well as AM and
FM
> bands. I'm sstill delighte with mine, and will get years of fun and
QSO's
> with it . Nothing in this world is perfect.!!
>
>
> Happy owner, Bill NV4T (no,
that
> should be delighted)
>

Date: Fri, 31 Aug 2001 08:30:49 -0500
From: Tim Pettibone <k5oi@cowboy.net>
To: qrp-l@lehigh.edu
Subject: [106137] FOX: Outfoxed in OK
Message-ID: <5.1.0.14.0.20010831082821.009e87d0@cowboy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tried the hunt from the mobile in the driveway. Heard several hunters and, once, I heard ET down in the noise. N6WG was baying strong as usual. Got too humid for these old dried-out bones so I stole back into the house after about 30 minutes. Maybe I can get an antenna up this weekend.

Tim K5OI
Stillwater, OK

Date: Fri, 31 Aug 2001 09:53:22 -0400 (EDT)
From: Frank Brickle <brickle@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106138] weight of Palm mini-paddles?
Message-ID: <Pine.BSI.4.05L.10108310951280.3455-1000000@pluto.njcc.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anybody know the weight of the Palm mini-paddles + mag base? Can't seem to find the numbers on the web or anywhere else.

Thanks & 73
Frank
AB2KT

Date: Fri, 31 Aug 2001 09:00:00 -0500
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [106139] rig comparison
Message-ID: <003101c13225\$4388c4a0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

I am thinking about buying a third rig and have narrowed it down to a ft817 or k2. i have heard all the comments on this net about the ft817, but not as many on the k2. What make the k2 such a better rig???

Thanks dennis w5vaf.

Date: Fri, 31 Aug 2001 10:05:40 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Kenneth Hoglund <hoglund@wfu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106140] I love the smell of 40M in the winter...
Message-ID: <Pine.OSF.4.21.0108310938490.13223-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It smells like... victory.

Over the past few days there has been some concern on a couple of the email reflectors I watch, regarding the demise of the current solar "peak." Well... to be honest with everyone, it wasn't much of a peak this time, was it?

Some of the "new" QRP ops that ran out and bought the new and very cool FT-817 are worried now that it will be useless in a couple years as we fall into the pit of that solar cycle. One guy even claims he already sold his FT-817, "while it was still worth something(!)" To that I say a Laurel and Hardy, "Pah-shaw" and counter with my favorite QRP truism...

"Forty meters is always open."

On top of that, in 1993, as we spiraled into the last solar dip, I invested in 6M and 2M transverters from those nice folks in Sevierville, TN, USofA, and enjoyed VHF tropo, meteor scatter (Hey, you should see the eyes of my dear tech-lite friends light up when I tell them I worked Florida from Michigan on 2 meters!), and that CrAzY phenomena called aurora.

That 817 has 40 meters on it, and the last time I looked at mine, it still had 6M, 2m, and 432 - all modes. So you gals and fellas new to QRP who are a little nervous that 10M is dead... fugettaboutit. The sunspot cycle is just God's way to get us to try something other than 20M DXing once every few years.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 31 Aug 2001 07:21:55 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Cc: ne4o@swbell.net
Subject: [106141] Re: rig comparison
Message-ID: <20010831142155.95527.qmail@web11603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Dennis,

I went through the same decision a few months ago.
Here's the things that made my decision:

K2 Advantages:
Much better xcvr
Don't need to buy separate cw filter
Easier on batteries
Auto tuner (does the yaesu have it?)

Ft817 Advantages:
Does VHF
General Coverage Rcvr
Small size

For me VHF & gen coverage were nice but I probably
wouldn't use them much. I figured I could do as well
by taking my little HT and my little bitty shortwave
rcvr if I wanted them for camping. But... what I
REALLY wanted was excellent performance on HF and
battery operations so K2 won hands down.

(still have a craving for the ft817 though... mebbe
they'll eventually upgrade it for a little lower power
drain and I'll have to find some more money).

73, Gary

--- DENNIS SMITH <ne4o@swbell.net> wrote:
> I am thinking about buying a third rig and have
> narrowed it down to a
> ft817 or k2. i have heard all the comments on this
> net about the ft817, but
> not as many on the k2. What make the k2 such a
> better rig???
> Thanks dennis w5vaf.
>

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gds slagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Fri, 31 Aug 2001 08:35:42 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: DENNIS SMITH <ne4o@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106142] Re: rig comparison
Message-ID: <Pine.LNX.4.33.0108310833240.10524-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 31 Aug 2001, DENNIS SMITH wrote:

> not as many on the k2. What make the k2 such a better rig???

...imho, the receiver and the ADVENTURE of building it...I'm having a ball
building mine (and I paid for it in Cdn dollars!)...go for it Dennis!...72

- Bruce(VE5RC+VE5QRP)

Date: Fri, 31 Aug 2001 09:47:51 -0500 (CDT)
From: Joe Reed <joe@n9jr.dyndns.org>
To: DENNIS SMITH <ne4o@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106143] Re: rig comparison
Message-ID: <Pine.LNX.4.21.0108310928540.4258-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dennis,

I own both a 817 and a K2 and here are the pros and cons.

The 817 has some features the K2 currently lacks, such as AM, and FM. It also has general coverage receive and covers 50, 144, and 432 MHz out of the box. The K2 is strictly ham band 160-10.

The K2 has better receiver dynamic range, has full break in cw (the 817 is only semi), has cw memories, you can adjust the speed from the front panel, offers 4 filter widths for SSB and cw (the 817 supports only one additional filter). The K2 consumes much less power to operate, offers a 2.9 AH internal battery (vs the 1.6AH for the 817), and supports an internal antenna tuner. If HF is your bag, the K2 supports two antenna ports that are front panel switchable, as well as a seperate receive antenna port. Also the K2 now has an audio filter option as well. Also power is variable from .1W to 10W while the 817 has fixed power settings and a max of 5 watts.

Both offer computer control and the usual bells and whistles.

The 817 offers a small footprint, but by the time you add the LDG Z-11 tuner and an external battery you end up with a package that is about the same size as a K2. Except the K2 offers most features and functions controlled from the front panel and the 817 relies on menus.

Costwise, my FT-817, with the LDG Z-11 tuner, TCX0, 500Hz filter and 1.6AH Maha battery is probabably more expensive than a fully equipped K2.

I use the 817 for VHF/UHF and SWBC listening. I use the K2 for all other HF QRP operating.

And of course, the 817 is a store bought radio. You get the pleasure of crafting your K2.

You may want to read the technical reviews on the K2 to see why it is considered to be a superior radio. The review in QST, and a comparison to other high end radios can be found at <http://www.elecrafter.com>

Good luck and I'm sure you will enjoy either radio.

Joe N9JR

On Fri, 31 Aug 2001, DENNIS SMITH wrote:

> I am thinking about buying a third rig and have narrowed it down to a
> ft817 or k2. i have heard all the comments on this net about the ft817, but
> not as many on the k2. What make the k2 such a better rig???
> Thanks dennis w5vaf.
>

Date: Fri, 31 Aug 2001 07:53:57 -0700
From: David Shalita <davidr@cnmnetwork.com>
To: qrp-p <qrp-l@Lehigh.EDU>
Subject: [106144] New RS DX-398 - deaf
Message-ID: <3B8FA505.BCBEF469@cnmnetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I just bought brand new Radio Shack DX-398 portable radio,
on sale now for \$149.

Brand new out of box listening with it's own
whip antenna, at 2PM in Los Angeles, outside home in backyard,
the only signals received were AM, FM, WWV on 15MHz.

Nothing heard on
3.5-4MHz, 7-7.3, 14-14.4, 21-22, 28-29MHz, WWV on 5, 10, 20MHz.
Did hear one CW signal on 40M.

Can the Solar Storms be causing HAM bands to be that dead?
OR, do I have a really bad RS radio?
I will do another trial comparing DX-398 with DRAKE R4B.

Is the DX-398 capable of receiving HAM signals when using only the built-in whip antenna? Or, do you always use an external antenna?

I thought the DX-398 was a pretty sensitive RX and could do well with built-in whip and would only do better with external antenna.

Based on these first results I may have to look at buying the Sony 7600 series portable RX and return the RS unit.

Appreciate comments from DX-398 and Sony owners.

73, W6MIK, Dave

Date: Fri, 31 Aug 2001 10:57:45 EDT
From: Macstein@aol.com
To: <ne4o@swbell.net>
Cc: <qrp-l@lehigh.edu>
Subject: [106145] Re: rig comparison
Message-ID: <171.1c1807.28c0ffe9@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dennis!

I think they are different animals after the same food. The specs are revealing, and one might serve better than the other depending on what kind of operating you do!

Also, and this is a biggie, the K2 is a kit, and the Yeasu comes manufactured. (But you can now get K2s already built, or made for you by a friend.) The Ft-817 really needs the CW filter added if you operate CW, IMHO, but there are already aftermarket products available because the Yeasu is selling so well. The RX on the K2 compares favorably to any rig I've ever used, and I like the digital set-up on the filters, playing with Spectrogram was fun, and it allowed me to set my filters JUST the way I want! That's important to me. Another issue is power consumption, and the kind of batteries you want to lug around if portable.

I really like Yeasu rigs, but I made and tweaked my K2 and it is serving me well for the things I do. Let us know what ya decide!

-MAC-
AF4PS
Odessa, FL

In a message dated Fri, 31 Aug 2001 10:03:04 AM Eastern Daylight Time, DENNIS SMITH <ne4o@swbell.net> writes:

> I am thinking about buying a third rig and have narrowed it down to a
> ft817 or k2. i have heard all the comments on this net about the ft817, but
> not as many on the k2. What make the k2 such a better rig???
> Thanks dennis w5vaf.

Date: Fri, 31 Aug 2001 15:04:09 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: joe@n9jr.dyndns.org, qrp-1@Lehigh.EDU
Subject: [106146] Re: rig comparison
Message-ID: <F5oEnc2hZu8YVlLwpmk00001f0c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Good job Joe, especially for the technologically challenged like me. I appreciate knowing what the radio has, what it can do, and what its limitations are without the "jargon" that quite frankly, means very little to me. When reviewers start talking about decibels, mVs, and such my eyes just glaze over.
Makes me want to build one of the Elecrafts even more....
Lets see, Elecraft, DC rcvr, etc etc etc...
Tom

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 31 Aug 2001 15:19:38 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: davidr@cnmnetwork.com, qrp-1@Lehigh.EDU
Subject: [106147] Re: New RS DX-398 - deaf
Message-ID: <F103NIJWNDIT6bB5Rw100005f50@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dave:

I use the Radio Shack DX-398 all the time as a companion to my homebrew transmitters. On 40 meter and 15 meter bands it works equally well.

Remember, ANY receiver is only as good as the antenna. The greatest rcvr will do poorly with an inadequate antenna. I use a giant loop antenna, up about 10 feet, made with a #20 insulated wire, that pretty much travels over the perimeter of my backyard, maybe 300 feet or so. Works great on ALL ham bands, CW,SSB,USB,AM,FM, and even RTTY and PSK-31. Plugs right into the ol' sound card.

It ends in a 1/8" male plug that goes directly into the rig. May not be the perfect antenna, but it works well for me.

Radio Shack also makes a "reel up" wire antenna that is about 25 feet long, reels up into its own case, and does pretty well too. I use that when I travel.

BTW, this radio is on special, for \$149.99, because it is discontinued as of Monday, Sept 3rd. The cat at RS says he thinks it may be replaced, but didn't (or couldn't) tell me with what or when it would be replaced.

All and all, I think its a pretty good deal. No I don't work for RS, though with all the money I've spent there this on parts my XYL thinks I have stock in the company.

Tom

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 31 Aug 2001 10:35:09 -0500
From: "George, W5YR" <w5yr@att.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106148] Re: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <3B8FAEAD.A25D35AB@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike, go to RS and buy a \$20 WX radio that you can stick in your shirt pocket, and be happy . . . <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Mike Yetzko wrote:

>

> Hey, I want an 817! I covet it greatly! I think it's a great little
> rig. But
> the bottom line is, without the WX band, I don't want it enough to pull
> out the plastic.

Date: Sat, 1 Sep 2001 00:57:12 +0900
From: Jim Tittsler <7J1AJH@OnJapan.net>
To: qrp-1@lehigh.edu
Subject: [106149] JF1DHM Measuring Tape Antenna
Message-ID: <20010901005712.C3930@server.onjapan.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

JF1DHM was showing off his clever measuring tape antenna at the Ham Fair in Yokohama (Tokyo) today. He drilled a cheap pair of 5M long measuring tapes every 5 cm and then mounted them on a small block of wood, along with a plastic T. The T accepts two or three bamboo poles (from the same dollar store as the tapes :-)) to form either dipole or loop supports. He stretches each tape to length and slips a hole over protruding bolts connected to the center insulator, with the tension of the reel keeping the tape in contact with the bolt. A couple of stationery clamps keep the tape along the supports.

A lot easier to understand in the photos at:
<http://www.onjapan.net/2001/hamfair/jf1dhm.html>

72, Jim 7J1AJH/AI8A

Date: Fri, 31 Aug 2001 08:58:13 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106150] Re: New RS DX-398 - deaf
Message-ID: <5.0.2.1.0.20010831085554.00a2c370@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The speculation is that perhaps Sangean (the manufacturer of the 398) may be coming out with some new ones. I plan on getting one this weekend.

At 03:19 PM 8/31/01 +0000, you wrote:

>Dave:

>

>I use the Radio Shack DX-398 all the time as a companion to my homebrew
>transmitters. On 40 meter and 15 meter bands it works equally well.
>Remember, ANY receiver is only as good as the antenna. The greatest rcvr
>will do poorly with an inadequate antenna. I use a giant loop antenna, up
>about 10 feet, made with a #20 insulated wire, that pretty much travels
>over the perimeter of my backyard, maybe 300 feet or so. Works great on
>ALL ham bands, CW,SSB,USB,AM,FM, and even RTTY and PSK-31. Plugs right
>into the ol' sound card.

>

>It ends in a 1/8" male plug that goes directly into the rig. May not be
>the perfect antenna, but it works well for me.

>

>Radio Shack also makes a "reel up" wire antenna that is about 25 feet
>long, reels up into its own case, and does pretty well too. I use that
>when I travel.

>

>BTW, this radio is on special, for \$149.99, because it is discontinued as
>of Monday, Sept 3rd. The cat at RS says he thinks it may be replaced, but
>didn't (or couldn't) tell me with what or when it would be replaced.

>

>All and all, I think its a pretty good deal. No I don't work for RS,
>though with all the money I've spent there this on parts my XYL thinks I
>have stock in the company.

>Tom

>

>

>Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Sat, 1 Sep 2001 01:07:18 +0900

From: Jim Tittsler <7j1ajh@OnJapan.net>

To: qrp-l@lehigh.edu

Subject: [106151] Re: weight of Palm mini-paddles?

Message-ID: <20010901010718.D3930@server.onjapan.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

On Fri, Aug 31, 2001 at 09:53:22AM -0400, Frank Brickle wrote:

> Anybody know the weight of the Palm mini-paddles + mag base? Can't seem to
> find the numbers on the web or anywhere else.

My postage scale claims the paddles and magnetic base are just

over 60g, adding the standard cable bumps it up to approximately 80g.

72, Jim 7J1AJH/AI8A

Date: Fri, 31 Aug 2001 12:10:28 -0400 (EDT)
From: Frank Brickle <brickle@pobox.com>
To: Jim Tittsler <7j1ajh@OnJapan.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106152] Re: weight of Palm mini-paddles?
Message-ID: <Pine.BSI.4.05L.10108311209410.13624-1000000@pluto.njcc.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> My postage scale claims the paddles and magnetic base are just
> over 60g, adding the standard cable bumps it up to approximately
> 80g.

Many thanks. Just what I needed.

Frank
AB2KT

Date: Fri, 31 Aug 2001 10:23:57 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [106153] OT Yahoo Jobs!
Message-ID: <Pine.LNX.4.33.0108311021100.1984-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I went to Yahoo finance to see how the market is doing, poor by the way, and noticed that Yahoo has a job finder. So in the window I put Harness Maker and pushed the go button. After a few seconds it came up with:

No jobs listed.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 31 Aug 2001 10:30:42 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Tim Pettibone <k5oi@cowboy.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106154] Re: FOX: Outfoxed in OK
Message-ID: <Pine.LNX.4.33.0108311028390.1984-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here Tim is the coil data for 30 and 40 meters. Put the w3ff antenna up on the patio. Tell Jan it's a grape arbor....

The W3FF antenna can be made to operate on 40 and 30 meters when you wind the proper coils set for each band. I have done what is specified below and it works well for me. The coils are wound on cpvc 1/2 inch pipe and the data given is either from W3FF for the 40 meter coil, and my experimental found 30 meter coils.

40 meter coils:

150 turns of #24 speaker wire makes a coil 9.5" long and requires a 11" cpvc pipe with holes 3/4" from the ends and is used on the side fed with the shield of the coax, called the "Cold Side".

120 turns is a coil of 8" and needs a 9 1/2" cpvc pipe and is on the hot side.

30 meter coils:

59 turns using #26 hookup wire fits on a 5" cpvc pipe and is on the hot side.

68 turns also 5" pipe is on the cold side.

NOTES:

1. I used #26 hookup wire on both 30 and 40 meters and it works fine at QRP powers. Same number of turns on 40 meters.

kfl 8-2-01

On Fri, 31 Aug 2001, Tim Pettibone wrote:

> Tried the hunt from the mobile in the driveway. Heard several hunters and,
> once, I heard ET down in the noise. N6WG was baying strong as usual. Got
> too humid for these old dried-out bones so I stole back into the house
> after about 30 minutes. Maybe I can get an antenna up this weekend.

>

> Tim K50I

> Stillwater, OK

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 31 Aug 2001 12:34:27 -0400

From: Dave Fouchey <dafouchey@home.com>

To: "k5di@zianet.com; \"Low Power Amateur Radio Discussion\""
<grp-1@Lehigh.EDU>

Subject: [106155] Re: OT Yahoo Jobs!

Message-ID: <4.1.20010831122952.009cb850@localhost>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hmm maybe it should have been phrased as Leather Worker..;-) Or wireman...

Now if I could only find someone with a Commercial License in the Detroit Area looking for a job I'd be happy to fill an opening I have!

The job market might be improving on the supply side in some areas but not when it comes to Comm Techs, they are scarce as hens teeth.

Dave

WA4EMR/8

Sterling Heights, MI

Manager FSO/Communications

CSX Technology

12780 Levan Road

Livonia, MI 48150

734 464-5640

At 10:23 AM 8/31/2001 -0600, you wrote:

>I went to Yahoo finance to see how the market is doing, poor by the way,
>and noticed that Yahoo has a job finder. So in the window I put Harness
>Maker and pushed the go button. After a few seconds it came up with:

>

>

>No jobs listed.

>

>--

>Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 31 Aug 2001 12:42:07 -0400
From: John Wagner <john@wagner-usa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106156] FOX: Whatta you mean "it's over?"
Message-ID: <3B8FBE5F.FA65F5D0@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It ain't over 'til it's over folks! And the Cub Fox Hunt ain't over yet!

The last Cub Fox Hunt of the year is 9/5 at 0200Z (Tues US Time). Your
Foxii for the evening are NQ7T and KJ0C.

So if the end of the Fox hunts have you down, come on out next Tues and
join in for the last cub hunt!

73 de John, N1Q0

--

John Wagner - john@wagner-usa.net

Web page: <http://www.neknetwork.com>

Date: Fri, 31 Aug 2001 12:42:33 -0400
From: "Bob" <ara1@trsvr.tr.unisys.com>
To: <7J1AJH@OnJapan.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106157] Re: JF1DHM Measuring Tape Antenna
Message-ID: <005f01c1323b\$ef4e9b50\$1fc03fc0@na.uis.unisys.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim - Thanks for the update on the fair - nice pictures. The big question I need an answer to is did Yaesu come out with a replacement for the FT-817?

----- Original Message -----

From: "Jim Tittsler" <7J1AJH@OnJapan.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 31, 2001 11:57 AM
Subject: JF1DHM Measuring Tape Antenna

> JF1DHM was showing off his clever measuring tape antenna at the
> Ham Fair in Yokohama (Tokyo) today. He drilled a cheap pair of
> 5M long measuring tapes every 5 cm and then mounted them on a a
> small block of wood, along with a plastic T. The T accepts two
> or three bamboo poles (from the same dollar store as the tapes
> :-)) to form either dipole or loop supports. He stretches each
> tape to length and slips a hole over protruding bolts connected
> to the center insulator, with the tension of the reel keeping
> the tape in contact with the bolt. A couple of stationery
> clamps keep the tape along the supports.

>

> A lot easier to understand in the photos at:
> <http://www.onjapan.net/2001/hamfair/jf1dhm.html>

>

> 72, Jim 7J1AJH/AI8A

>

Date: Fri, 31 Aug 2001 12:44:04 -0400
From: "Tom Bowman" <tbowman@nbn.net>
To: "QRP-L" <qrp-l@lehigh.edu>, <bhuylck@pop.prodigy.net>
Subject: [106158] Re: Try, try again: NN1G QRP transceiver stuff
Message-ID: <014901c1323c\$2c2c1e80\$a3a87f3f@tombowma>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Thanks to everyone who wrote to say they cannot reach my home page.

Here's what's happening:

I can reach my web pages from my side of the server but as you all know, the pages are not available from the Net side. That's because I didn't pay my bill to the good folks at Net Solutions who are no longer directing Net traffic to www.wa3rey.com

(I'm embarrassed to say)

So, please try clicking on this <http://users.nbn.net/~tbowman>

and that should work.

My apology to everyone for the inconvenience.

Please, let me know if you still have problems getting to the pages.
73,

Tom, WA3REY

Date: Fri, 31 Aug 2001 12:43:26 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: 7J1AJH@OnJapan.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [106159] Re: JF1DHM Measuring Tape Antenna
Message-ID: <3B8FBEAE.EA0D2231@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim,

So, you're saying he has made a measuring tape antenna for 10 meters maximum? In a world where much of the operation takes place at 30 meters or below, what good is it besides his workmanship?

73

Date: Fri, 31 Aug 2001 12:56:51 -0400
From: fcsww@juno.com
To: qrp-l@lehigh.edu
Subject: [106160] Re: Bear photos
Message-ID: <20010831.125655.-3855789.3.fcsww@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Since QRP camping is widely done, I submit this to the conversation.
Following from an editorial discussion on bears:
"Black bears are not a danger to people if left alone. Do not approach a black bear or place yourself between mother and cubs. Black bears will avoid humans whenever possible.

On the other hand, grizzly bears should be avoided at all costs. They will attack whether threatened or not. They are dangerous.

An excellent way to keep bears away is for each hiker to wear a belt with little bells attached. Bears do not like the noise made by bells and will avoid you. It will also help to carry a can of pepper spray.

Learn to identify the kinds of bears in the area you are hiking in. A good way is to examine the droppings you find.

The droppings of black bears are coal black and usually found atop a rock. Grizzlies, on the other hand, have fairly normal droppings that on close examination will reveal fragmented pieces of little bells and have a strong smell of pepper spray.

I hope this helps the hiker."

Date: Fri, 31 Aug 2001 11:00:03 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [106161] K5OI wins A class New Mexico
Message-ID: <Pine.LNX.4.33.0108311057540.2118-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tim was the big winner in the ARRL DX CW contest last spring. He won the New Mexico class A award.

I'm glad he moved. My score was lower than his...:-)

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 31 Aug 2001 17:42:24 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: davidr@cnmnetwork.com, qrp-l@Lehigh.EDU
Subject: [106162] Re: New RS DX-398 - deaf
Message-ID: <F641enAqpfkNsJUHQHh0000148f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Based on these first results I may have to look at buying
>the Sony 7600 series portable RX and return the RS unit.
>
>Appreciate comments from DX-398 and Sony owners.
>
>73, W6MIK, Dave

I've had a Sony 2001D for many years. It's quite sensitive, and works well with the whip antenna. It works quite well on the amateur bands, although the IF bandwidth isn't really narrow enough for SSB and CW.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 31 Aug 2001 12:46:44 -0700
From: "Dan Evans" <n9rla@yahoo.com>
To: <prvalko@oakland.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [106163] Re: I love the smell of 40M in the winter...
Message-ID: <007601c13255\$ab6f6da0\$0101a8c0@danevans>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Let me know when they start giving them away, and I'll pick up a couple:-))

Dan

Dan Evans N9RLA
Scottsburg, IN 47170
{EM78}
IN-Ham list administrator
QRP-1 #1269
1/2 of the N9RLA /R no budget Rover Team
Check out the Rover Resource Page at:
<http://www.qsl.net/n9rla>

----- Original Message -----

From: "Paul R. Valko" <prvalko@oakland.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, August 31, 2001 7:05 AM
Subject: I love the smell of 40M in the winter...

>
> It smells like... victory.
>
> Over the past few days there has been some concern on a couple of the
> email reflectors I watch, regarding the demise of the current solar
> "peak." Well... to be honest with everyone, it wasn't much of a peak
> this time, was it?
>
> Some of the "new" QRP ops that ran out and bought the new and very cool
> FT-817 are worried now that it will be useless in a couple years as we
> fall into the pit of that solar cycle. One guy even claims he already
> sold his FT-817, "while it was still worth something(!)" To that I say a
> Laurel and Hardy, "Pah-shaw" and counter with my favorite QRP truism...
>
> "Forty meters is always open."
>
> On top of that, in 1993, as we spiraled into the last solar dip, I
> invested in 6M and 2M transverters from those nice folks in Sevierville,
> TN, USofA, and enjoyed VHF tropo, meteor scatter (Hey, you should see the
> eyes of my dear tech-lite friends light up when I tell them I worked
> Florida from Michigan on 2 meters!), and that CrAZy phenomena called
> aurora.
>
> That 817 has 40 meters on it, and the last time I looked at mine, it still

> had 6M, 2m, and 432 - all modes. So you gals and fellas new to QRP who
> are a little nervous that 10M is dead... fugettaboutit. The sunspot cycle
> is just God's way to get us to try something other than 20M DXing once
> every few years.
>
> 73! =paul= W8KC
> Collector of Ten*Tecs and other fine plastics.
> Visit the Virtual Ten*Tec Museum at:
> <<http://www.acs.oakland.edu/~prvalko>>
>
>
>

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 31 Aug 2001 13:47:59 -0400
From: Jim Stafford <w4qo@amsat.org>
To: qrp-l list <qrp-l@lehigh.edu>
Subject: [106164] [QRP Forum] New way to receive email version
Message-ID: <3B8FCDCF.9484E777@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

Just to let you know that the QRP Forum operated by QRP ARCI at:
<http://www.e-discounter.net/qrp-parci/> has a new server that provides the
email version of the posts there. To subscribe to the email version you
now send a message to:

qrp-f-subscribe@topica.com

This is not a mailing list in the traditional sense as you should not
mail directly to it but rather go to the forum to read the posts and
reply there. All posts are then sent to the entire mailing list.

As a reminder, the forum now supports graphic attachments and easy links
to other sites. It also has an ascii function so if you are posting log
info, it all lines up. There are many other features too numerous to
mention. Check it out. It's virtually real time so you can post
comments during the Spartan Sprint or the Fox Hunts, for example, and

you can search on any keyword and see all messages relating to that keyword which have been posted in the past two years.

Stay tuned. We will shortly announce a chat room conference with a popular QRP figure. That is also accessible via the Forum site.

73/72

Jim, W4QO

Date: Fri, 31 Aug 2001 11:04:51 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106165] Re: New RS DX-398 - deaf
Message-ID: <5.0.2.1.0.20010831110243.00a2f270@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

One of the advantages of the ATS-909/DX398 is that there is an aftermarket filter for it. I just brought mine back from the store.

At 05:42 PM 8/31/01 +0000, you wrote:

>>Based on these first results I may have to look at buying
>>the Sony 7600 series portable RX and return the RS unit.
>>
>>Appreciate comments from DX-398 and Sony owners.
>>
>>73, W6MIK, Dave
>
>I've had a Sony 2001D for many years. It's quite sensitive, and works well
>with the whip antenna. It works quite well on the amateur bands, although
>the IF bandwidth isn't really narrow enough for SSB and CW.
>
>73, Leon
>--
>Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
>My web page: http://www.geocities.com/leon_heller
>My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
>-----
>Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 31 Aug 2001 14:09:20 -0400
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [106166] CW "goodies" FS
Message-ID: <037501c13248\$11781100\$6b91d4d1@toshiba>

For Sale:

World War II vintage J-12 straight key.
I am guessing on the vintage, but it must be somewhere
in that era - maybe earlier. It matches pictures that I
have found, indicating that it is a J-12. Includes cotton
covered cord. The fact it is cotton covered says
something about its vintage. \$ 40

MFJ 422 Electronic keyer.
This keyer uses the Curtis chip, and is made to go on the
back of a Bencher Paddle. It will run off of a 9 V battery,
or use a wall wort. Sidetone volume and pitch are adjustable,
as is weighting. This one looks almost like new. \$ 55

MFJ 557 code practice oscillator with straight key.
Has volume and tone controls. Runs from 9 V battery,
or use a wall wort supply. Just like new. \$ 20

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@fdt.net or W8EK@netzero.com
Voice Phone (352) 732-8400

Date: Fri, 31 Aug 2001 14:24:04 -0400
From: "Lee S. Mairs" <lmairs@cox.rr.com>
To: <mightymik2@home.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [106167] Re: New RS DX-398 - deaf
Message-ID: <01c301c1324a\$1e220800\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Say more about the aftermarket filter for the Sangean 909. Can you point me to a URL?
73 de Lee, KM4YY

----- Original Message -----

From: "Mighty Mik" <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, August 31, 2001 2:04 PM
Subject: Re: New RS DX-398 - deaf

> One of the advantages of the ATS-909/DX398 is that there is an aftermarket
> filter for it. I just brought mine back from the store.

>

> At 05:42 PM 8/31/01 +0000, you wrote:

>

> >>Based on these first results I may have to look at buying
> >>the Sony 7600 series portable RX and return the RS unit.

> >>

> >>Appreciate comments from DX-398 and Sony owners.

> >>

> >>73, W6MIK, Dave

> >

> >I've had a Sony 2001D for many years. It's quite sensitive, and works
well

> >with the whip antenna. It works quite well on the amateur bands, although
> >the IF bandwidth isn't really narrow enough for SSB and CW.

> >

> >73, Leon

> >--

> >Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

> >My web page: http://www.geocities.com/leon_heller

> >My low-cost Altera Flex design kit: <http://www.leonheller.com>

> >

> >

> >

> >Get your FREE download of MSN Explorer at
<http://explorer.msn.com/intl.asp>

>

Date: Fri, 31 Aug 2001 18:28:08
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: tdufresne@neb.rr.com
Cc: qrp-1@lehigh.edu
Subject: [106168] Re: Neophyte-Homebrew receiver
Message-ID: <F197Ud9mTP2vZXqimrM00003897@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

From: TC Dufresne (tdufresne@neb.rr.com)

>All is well, but I need a answer.... Is a NE602A and NE602AN >essentially
>the same thing?

I believe that the "N" suffix is a package designator, in this case a
plastic DIP.

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 31 Aug 2001 14:58:06 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPAQRP" <epaqrp-1@lehigh.edu>, "QRP-L" <qrp-1@lehigh.edu>,
"NJQRP" <NJQRP@njqrp.org>
Subject: [106169] QRP Homebrewer subscriptions expiring
Message-ID: <000501c1324f\$1f2ecad0\$6aca9cce@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi friends -

Now that QRP Homebrewer issue #6 is started shipping to subscribers, we had

a chance to consider the Big Picture of subscription expirations. I was really surprised to see how many names in our subscribers database are "expired" ... there are almost 300 QRPers who have not yet renewed their subscriptions and as a result will not be receiving issue #6 next week.

Now there are some valid reasons for not "re-upping" -- your available cash is going elsewhere, you don't care for the magazine, you're a recently-converted QRO appliance operator, etc ... we can understand and appreciate all these kinds of reasons.

But what we *don't* wish to happen is to have your subscription lapse because you forgot to send in your renewal. Or if we somehow messed up recording your renewal in the database.

So, in order that you have the best shot of continued flow of top-notch homebrewing and QRP construction articles coming to your home on a quarterly basis, please look at our QHB Expirations web page to see if your name is listed. We hope this isn't intruding too much, but we figure that if your subscription has expired on purpose, then "who cares?!". But if you forgot to renew you can take immediate action to get back on the shipping list for another 4 issues.

So please take a look at http://www.njqrp.org/data/qhb_expirations.html and do a quick search for your name -- let us know ASAP if there's a problem.

Every publication subscription list has a normal attrition - and QHB is no better and no worse than others - but we just want to be certain that all our subscribers and other friends here on the QRP lists have shot at staying current with the hot construction projects, available kits, and guidance from top experts in our QRP community.

Thanks to all for the support!

72/73, George N2APB, n2apb@amsat.org
editor & publisher for QRP Homebrewer magazine
at http://www.njqrp.org/data/qrp_homebrewer.html

Date: Fri, 31 Aug 2001 15:20:59 -0400
From: "John Dorson" <JDORSON@worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [106170] sd-20 fs or trade
Message-ID: <005a01c13252\$1176f400\$436e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I have a south bend sd-20 i used for the slv. i no longer use it and therefore would like to either sell it or trade for soething else.

if interested, please e-mail me directly.

thanks

John K2JHU

jdorson@worldshare.net

Date: Fri, 31 Aug 2001 15:45:12 -0400
From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Cc: ne4o@swbell.net
Subject: [106171] Re: rig comparison
Message-ID: <2840299648.999272712@oes-madams.facilities.buffalo.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Dennis,

One has to ask, what are your other 2 rigs??

I bought the 817 for QRP/portable VHF/UHF contesting. As a bonus I get the all the other stuff. If you travel on business or with the family, you won't have to decide which rig to take along as the 817 will handle VHF FM in the rental car, UHF SSB on a mountain top or SWL listening on the balcony at the hotel. You get the idea...

As for performance, well, I own a TenTec Omni 6+. Yes, it blows away the 817 on a busy contest weekend while trying to dig little guys out of the mud. But for 95% of everyday qso's there is hardly a difference!

Either way you cannot lose. I can see myself selling the Omni and building a K2 down the road. Heck, maybe this winter!

72, Mark K2Q0

Mark S. Adams, P.E.
University at Buffalo
Occupational and Environmental Safety
220 Winspear Avenue

Buffalo, NY 14215-1034
Tel: 716.829.3301 Fax: 716.829.2704
Pager: 716.774.2260

Date: Fri, 31 Aug 2001 15:48:58 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <fcsww@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106172] RE: Bear photos
Message-ID: <GAECLOGOMILPLBGKKPEGKEDKCMMAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Another thing I would like to put out, the subject
of climbing a tree. I do not remember which is
which, but one will climb the tree and get you.
On the otherhand, the other one merely knocks
tree over.....

=====
Chuck Mabbott
AA8VS
42 19' 52" N 83 28' 32" W
Grid Square EN82gh
Home Page: <http://aa8vs.dhs.org:81/aa8vs>
FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
Behalf Of
fcsww@juno.com
Sent: Friday, August 31, 2001 12:57 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Bear photos

Since QRP camping is widely done, I submit this to the
conversation.
Following from an editorial discussion on bears:
"Black bears are not a danger to people if left alone. Do not
approach a
black bear or place yourself between mother and cubs. Black bears
will
avoid humans whenever possible.

On the other hand, grizzly bears should be avoided at all costs.
They
will attack whether threatened or not. They are dangerous.

An excellent way to keep bears away is for each hiker to wear a
belt with
little bells attached. Bears do not like the noise made by bells
and will
avoid you. It will also help to carry a can of pepper spray.

Learn to identify the kinds of bears in the area you are hiking
in. A
good way is to examine the droppings you find.

The droppings of black bears are coal black and usually found atop
a
rock. Grizzlies, on the other hand, have fairly normal droppings
that on
close examination will reveal fragmented pieces of little bells
and have
a strong smell of pepper spray.

I hope this helps the hiker."

Date: Fri, 31 Aug 2001 20:51:43 +0100
From: "G3MFJ" <g3mfj@btinternet.com>
To: <fcs@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106173] Re: Bear photos
Message-ID: <011601c13256\$6d2063a0\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi
As a Brit - I have been following the tales of bears and their avoidance with
great
interest as we don't have anything like them over here. When I got to this post -
I read
it with similar interest, as I am planning a touring holiday over there next year!
But
when I reached the punch line. I have not laughed as much for a long time! And to
think -

I nearly went to buy some little bells!

I'm sorry - I do not recognise the e-mail address - so, to the unknown poster - well done - and thanks!

72/3

Graham

G3MFJ

From: <fcs@juno.com>

> An excellent way to keep bears away is for each hiker to wear a belt with
> little bells attached. Bears do not like the noise made by bells and will
> avoid you. It will also help to carry a can of pepper spray.
> Learn to identify the kinds of bears in the area you are hiking in. A
> good way is to examine the droppings you find.
> The droppings of black bears are coal black and usually found atop a
> rock. Grizzlies, on the other hand, have fairly normal droppings that on
> close examination will reveal fragmented pieces of little bells and have
> a strong smell of pepper spray.

Date: Fri, 31 Aug 2001 16:31:44 -0400

From: "John Mc Donough" <jpm1@bellatlantic.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [106174] Parts scrounging

Message-ID: <014501c1325c\$08a69740\$1a5bfea9@jpm1>

MIME-Version: 1.0

Content-Type: text/plain;
charset="utf-8"

Content-Transfer-Encoding: 8bit

Hi - A thread on parts scrounging appeared recently here on QRP-L. Japanese transistors are the most common look-up task for me. While doing searches using google I almost always get a response from a Russian web site.

<http://fw.kaluga.ru/help>

This has extensive tables with fundamental transistor characteristics listed. No pinouts, but enough info to understand if those 4 2sc454 transistors are even worth removing from the TV chassis etc.

The site is in Russian, but the tables are easy to understand if you take a moment to puzzle out the column headings.

With a little help from my friends, I was able to piece out the following

The title page basically says

(If your e-mail doesn't support unicode, portions of this email may not come out correctly. Sorry)

= "Foreign Transistors"
1997 = Kostroma, a city NE of Moscow and date

Below this is the fundamentally useful part.

1. "	
2SA..." (1969	)
2. "	
2SB..." (1565	)
3. "	
2SC..." (4665	)
4. "	
2SD..." (2283	)
5. "	
2N...." (6006	)
6. "	
"	

This means

Book 1. "Foreign Transistors Series 2SA...(1969 entries)

Book 2. "Foreign Transistors Series 2SB...(1565 entries)

etc.

The Book 6 link takes you to Russian Cross reference - you're on your own if you need this.

When you click on any of the book 1 to 5 entrys the text says "transistors from x to y" and you don't need a translation to sort by part number. Once you select the subsection you get the tables.

		U	I	P	B	F
2SA800	p-n-p	20	0,030	0,250	60	2500
2SA801	p-n-p	20	0,050	0,300	90	4000

etc.....etc....

and the headings say

part / type / VCE, Volts / Ic, Amps / Power Diss., Watts / Beta / Ft

Note that the commas are used where we would use a decimal point (and vice versa - European notation) .

| | | |

These means in order

| Last | Next | Exit

The data seems to be reasonably accurate, but the usual caveats apply.
Thats about it. Hope this is helpful to someone. As a bonus, the site seems to have a good response time.

If anyone knows of a site in english with this much info please let me know.

jpm
KC2IGJ

Date: Fri, 31 Aug 2001 15:51:13 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <tcurtola@home.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [106175] Copper antenna corrosion
Message-ID: <004101c1325e\$abe94270\$4e100a0a@rohredt2000>

Tom,
Technically, copper does not rust, it oxidizes. Some oxides are conductive, but off the top of my head I do not remember if Copper is one. I think it is semiconductive at best for at one time VOM (test meters) used copper oxide rectifiers.

(Aside, tip of the week: When and old VOM blows the copper oxide rectifier stack (usually a full wave two diode equivalent), replace each side with a 1N34 germanium diode. It will be close enough for the accuracy of the 2 1/2 inch type meter movements on AC line voltage, and as a bonus, sticking a wire into the AC voltage jack on the lowest AC volts scale will yield a useful untuned field strength meter for RF.)

But, what makes copper strand oxidation a non issue, if the antenna was built correctly to start, is this:

You should use clean stranded wire, or clean the ends before soldering to the feed line. (That is the ONLY way to ensure an adequately wetted solder joint). If the pigtail you solder to the feedline on each side of a dipole center insulator is clean ie all strands bright and shiny, then the solder will bridge the strands and in effect short them all in parallel and make the equivalent of one conductor even if you did not solder the strands at the far end of the dipole legs, (and most don't).

Then, even with that taking care of the problem; the RF travels by skin effect on the surface few atoms of each strand of wire anyway, thus the oxidation is often overcome simply by the capacitance of strands to each other, and multiple paths combining to form the wire effective diameter and keeping the impedance low for RF.

However, if the ends did not all solder to the feeders, you might get some strand to strand rectification from one being oxidized more than another etc.

Another example, is those connections made not by solder but by wire nuts as I do at Field Days. The twisting of the strands, which I preclean and retwist, is further twisted by the screw action of the wire nut, and the strands are shorted together, and friction breaks any oxides and then the strands get paralleled as in soldering, in my opinion. Anyway, no mixer effect on FD antennas for past 4 years that we have used wire nuts!

One list member, reported he used wire nuts year round for his wire antenna to feeder connections.

A properly torqued center insulator scheme such as the Emtech Ladder Grabber should also effectively short all the strands and keep any oxidation problems from happening unless water gets inside the assembly over a long time, or from condensation. Antenna connections should be checked every year and serviced and cleaned as needed, to preclude any strange effects. If a long time antenna you have develops birdies in your rig where you know the rig originally did not have birdies, then the first thing to check are all the feeder and antenna connection points for corrosion, oxidation, and rectification possibilities.

GL and 72,
Stuart ,K5KVH

Date: Fri, 31 Aug 2001 16:10:45 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: <qrp-1@Lehigh.EDU>

Subject: [106176] Fw: ARRL Handbook Specials Extended through Holiday Weekend

Message-ID: <007e01c13261\$669fcdd0\$4e100a0a@rohredt2000>

OK,

Everyone that does not have an ARRL Handbook, here is another incentive. I am a member of ARRL, I know the value of the ARRL Handbook to ALL hams, thus I am sharing this with the QRP community. I am sure you do not have to be a member to order on the offer!

72,

Stuart K5KVH

Sent: Friday, August 31, 2001 9:24 AM

Subject: ARRL Handbook Specials Extended through Holiday Weekend

> From: The ARRL Publications Team

>

>

> Dear ARRL Member,

>

> We've extended the ARRL Handbook specials through the Labor Day Holiday weekend. You haven't missed out...yet. Take advantage of MONEY SAVING specials when you order the ARRL Handbook and Handbook CD-ROM.

>

> Find out why the 2001 ARRL Handbook is being called, "THE BEST EVER!"

>

> Hurry! Order by Monday, September 3, 2001.

>

> QUICK ORDER

>

> <http://www.arrl.org/catalog/index.php3?category=2001+Handbook+Specials+--+HU>

>

> You can also browse a list of the latest ARRL products at the following site:

> <http://www.arrl.org/catalog/?category=What%27s+New>

>

> Wishing you and your family a fun and safe Holiday weekend!

>

> 73,

>

> Bob Inderbitzen, NQ1R

> ARRL Headquarters

>

>

> ORDERING

>

> To order from ARRL, please use the links in this message to visit ARRL's secure online catalog, <http://www.arrl.org/catalog/>. Or, call our

> Publication Team toll-free in the US 1-888-277-5289, Monday through Friday
> from 8 AM to 8 PM Eastern time [Outside US telephone (860) 594-0355]. ARRL
> Headquarters will be closed Monday, September 3, 2001 (Labor Day). ARRL
> publications are also available from your local ARRL dealer,
> <http://www.arrl.org/catalog/dlrsearch.phtml>.

Date: Fri, 31 Aug 2001 22:11:37 +0000
From: alan.kaul@att.net
To: qrp-1@lehigh.edu
Subject: [106177] OT: NASA - Weather at Sun's North Pole (fwd)
Message-ID:
<20010831221140.BZLE8481.mtiwmhc22.worldnet.att.net@webmail.worldnet.att.net>

Attention solar propagation fans.... the following
information seems pretty fascinating to me. If you
disagree, please delete and resume whatever it is you
were doing when I interrupted.

72/73 de alan

--
Alan Kaul W6RCL e-mail: w6rcl@amsat.org
<http://worldnet.att.net/~alan.kaul/index.html>

----- Forwarded Message: -----
From: JPLNews@jpl.nasa.gov
To: undisclosed-recipients;;
Subject: Ulysses Forecasts Weather at Sun's North Pole
Date: Fri, 31 Aug 2001 14:54:06 -0700 (PDT)

MEDIA RELATIONS OFFICE
JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
PASADENA, CALIF. 91109 TELEPHONE (818) 354-5011
<http://www.jpl.nasa.gov>

Contact: Martha J. Heil (818) 354-0850

FOR IMMEDIATE RELEASE

Aug. 31, 2001

ULYSSES FORECASTS WEATHER AT SUN'S NORTH POLE

Space physicists predict gusty winds for the next few months at the Sun's north pole, an area that will be observed when the Ulysses spacecraft passes over it starting on Aug. 31.

This pass over the pole occurs at a time of solar maximum, when the Sun is more active. "The solar wind is patchier -- gustier -- during solar maximum, because the sources of the wind are more irregular," said Dr. Edward Smith, the project scientist at NASA's Jet Propulsion Laboratory on Ulysses, which is managed jointly by JPL and the European Space Agency.

This will be Ulysses' second pass over the Sun's north pole. It completed a circuit of the Sun in 1996 when the Sun was less active, then passed by the Sun's south pole last fall when the Sun was much more active. Now scientists will use what they've learned from previous passes to analyze data in the coming months.

Earth's magnetic field reverses itself only once every 200,000 years or so, but the Sun's internal magnet flips every 11 years, associated with a rise in solar activity. As it flips, the magnetic field becomes disordered, and the surface of the Sun becomes more active, shooting out bubbles of gas and energy called coronal mass ejections in every direction. The reversal of the magnetic field has a particularly dramatic effect on the poles. The Sun's magnetic field will be weak and X-ray coronal holes at the north pole should have shrunk during this solar maximum, because the magnetic field is unevenly spread around the surface of the Sun.

In 1995, Ulysses saw strong and simple magnetic fields at both poles of the Sun. Large, dark X-ray coronal holes formed in the solar atmosphere over the polar caps. The solar wind is fast and hot when coronal holes in the Sun remain open over long periods of time, as they do at solar minimum.

As Ulysses passed by the south pole of the Sun a few months ago, scientists expected to find that magnetic lines were pointing outward, because observations from Earth show that the magnetic field has already reversed at the Sun's surface. Instead, they found that the magnetic lines were still pointing inward, just as they had been throughout solar minimum. They theorize that this could be caused by the magnetic lines forming small, closed loops next to the pole instead of escaping into space. For now, the magnetic field

and solar wind seen over the pole appear to originate near the Sun's equator rather than from the polar cap.

The Ulysses science team will also study energetic charged particles, which speed away from the Sun's surface and escape into space. These are a regular feature of solar maximum. "These energetic solar particles can be as hot as 100 billion Kelvin (180 billion Fahrenheit) and can cause damage to spacecraft," said Dr. Bruce Goldstein, deputy project scientist on Ulysses at JPL. "However, they still follow the magnetic field lines."

At solar minimum, Ulysses saw very few particles coming from the poles. This was because there were fewer particle events occurring on the Sun and also because the particles follow magnetic lines of force that did not reach into the Sun's polar regions.

As it studied the south pole during solar maximum, Ulysses saw energetic particles from many of the past year's solar flares, though they originated at the Sun's equator. Those observations are further evidence that the magnetic field and solar wind seen at the polar caps really originate close to the equator.

Ulysses, launched in 1990, is a joint venture of NASA and the European Space Agency. JPL manages Ulysses for NASA's Office of Space Science, Washington, D.C. More information on the Ulysses mission is available at the JPL Ulysses web site: <http://ulysses.jpl.nasa.gov> and the ESA Ulysses web site, <http://helio.estec.esa.nl/ulysses/> .

#

09/03/01 MJH
#2001-182

You are subscribed to JPL's news mailing list. To unsubscribe, please send an e-mail to JPLNews@jpl.nasa.gov and in the body of the message include the following line.

unsubscribe news

Please do not reply to this e-mail.
For help, send a message to listmaster@www.jpl.nasa.gov.

Date: Fri, 31 Aug 2001 18:32:12 -0400
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [106178] VOX for the '2020 & other stuff
Message-ID: <20010831.183219.-289517.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

A couple whiles back I asked if anyone knew where I could get an MC2830 VOX chip for the SG2020, which ain't got built-in VOX. I got a nice note from someone to whom I could not respond ('cause his email address only works from him to me) suggesting that I build one meself out of circuits that approximated the innards of the '2830. Which I didn't do 'cause I'm lazy, ok?

So I went to the local RS.com store & asked 'em if they had item #21-1832, which the online catalog says is available in local stores. I'd looked on all the hooks around that stuff & found 'em not. So I asked. They keep 'em behind the counter 'cause they're probably pretty walk-able. So for \$15 I got a VOX in a box. For use with those mic-on-a-boom headsets you can get if you do a lot of telemarketing or mobile jibberin'.

The paperwork (the card what held the toy itself) says that it will work with RadioShack, ICOM, Alinco & Standard transceivers. It won't work, according to the paperwork, with Kenwood & most Motorola transceivers. Which, seein' as how I ain't got one of them, I don't need to worry about.

The output plug of trhe VOX in a box is one of them micro/mini mono dual thingies like you see with "speaker/mic" radios. Maybe even like the one on Dave Benson's SSB radios. I dunno exactly about that. Anyway, it was obvious that I'd need to open the box & modify things.

So after messing around with it for a couple hours, burning my fingers & meltin' the mini jack where the headset plugs in. It worked out that I didn't need to give the circuit a AAA battery. Takes power off the mic line if you're using an electret mic (like me). But the PTT line is on the connectors marked MIC+ & MIC- on the board. The lines marked SP+ & SP- do something else what I couldn't figure out.

Not havin' a schemo surprised me that I could get it workin'.

Anyway, after tying the MIC in & the MIC out lines together where I'd melted the micro input connector & puttin' the PTT line on the MIC + &

MIC - lines on the tiny little card pretty much full of SMD, I got it workin'. With the K2 (which was a self-defeating thing, since the K2 already has VOX). I had to modify one of the little chip resistors to make it pull the PTT line to ground on the SG2020. So it ended up being three mods & some Exacto knife work on the case to get the desk mic & other hoses hooked up right to the little thingie. Oh, and I had to bully the PTT button to make it do a PTT, but that was easy.

But now I have VOX for the '2020 & even if I didn't understand how it works, not havin' a schemo & all, I still went through a lot less fussin' making the RS thing work than I would have gettin' a bunch of op amps &c to work as was suggested elsewhen/elsewhere above.

Now I gotta get 'nother one & then another headset & see if I can figure out how that works. (Wanna bet I can't get a schemo from RS.com on the thing? Eh?)

So now you know.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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Date: Fri, 31 Aug 2001 18:49:13 -0400 (EDT)

From: <baltimoremd@baltimoremd.com>

To: "Karl F. Larsen" <k5di@zianet.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [106179] Re: OT Yahoo Jobs!

Message-ID: <Pine.BSI.4.05L.10108311847050.10731-1000000@vh1.min.net>

MIME-Version: 1.0

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On Fri, 31 Aug 2001, Karl F. Larsen wrote:

> I went to Yahoo finance to see how the market is doing, poor by the way,
> and noticed that Yahoo has a job finder. So in the window I put Harness
> Maker and pushed the go button. After a few seconds it came up with:

Years ago a friend applied for unemployment. After a while, the state told him he had to accept training to continue getting the dole. He listed his occupation as Whale Harpooner...they finally gave up on finding him a training class.

Thom

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End of QRP-L Digest 2298

